

Findings from the 2019 State Health Assessment

Presented at the
2019 State Health Improvement Coalition Summit:
Navigating Towards Health Equity

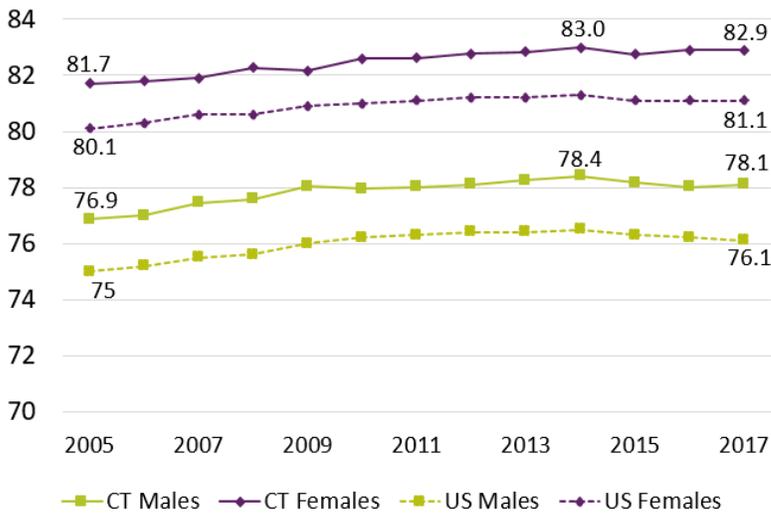


September 20, 2019

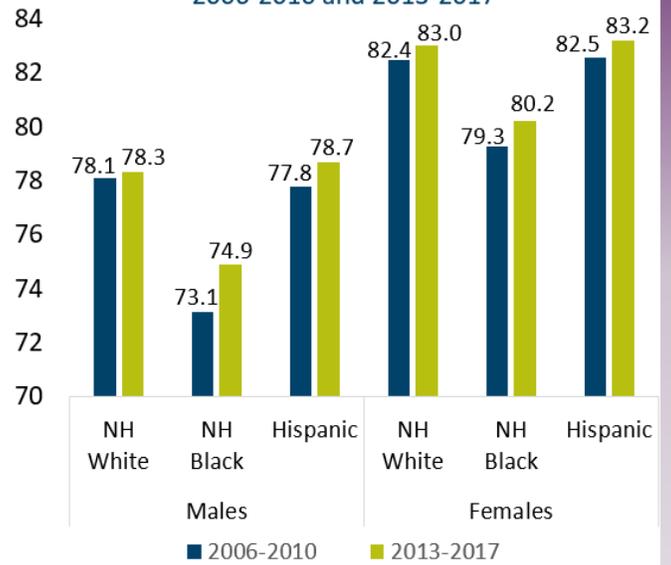
Population and Socioeconomic Statistics

Life Expectancy

Life Expectancy, by Sex, Connecticut and U.S., 2005-2017



Life Expectancy, by Race and Ethnicity, 2006-2010 and 2013-2017



• 2014 was the peak year for life expectancy in both the US and CT

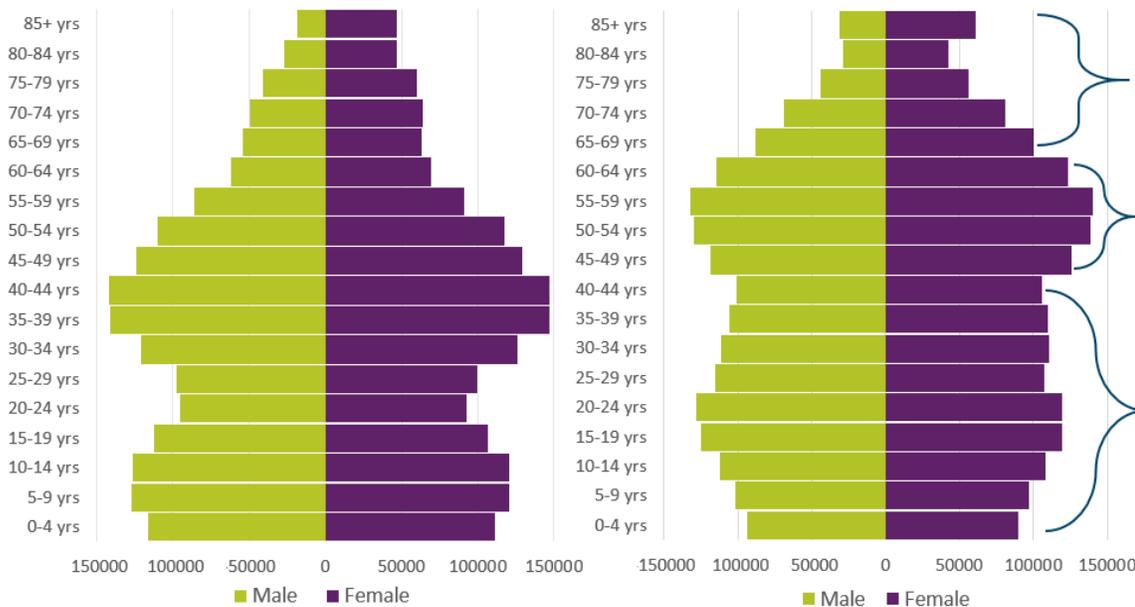
CT Department Public Health, Health Statistics and Surveillance Section, 2005-2017



Connecticut's population overall is getting older

Connecticut Population by Age and Sex, 2000

Connecticut Population by Age and Sex, 2017



28% increase in seniors between 2000 and 2017

Baby boomers may add another 200,000 seniors to CT over next 20 years

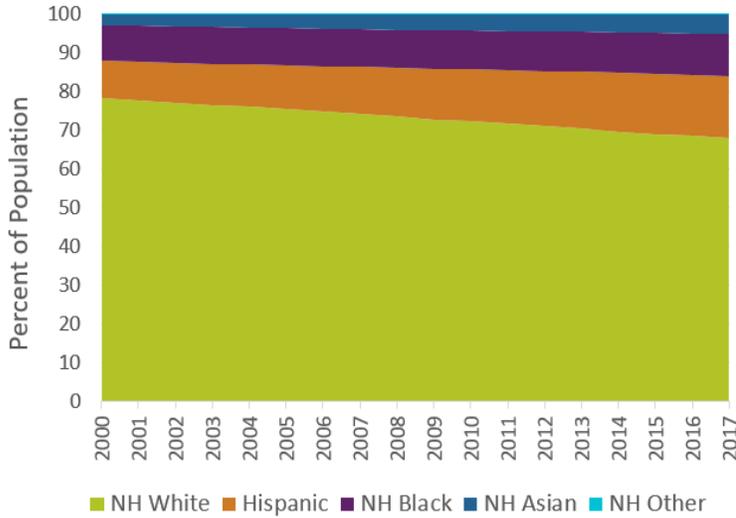
Shrinking tax base

US Census Bureau, Population Estimates Program, Connecticut 2000 and 2017

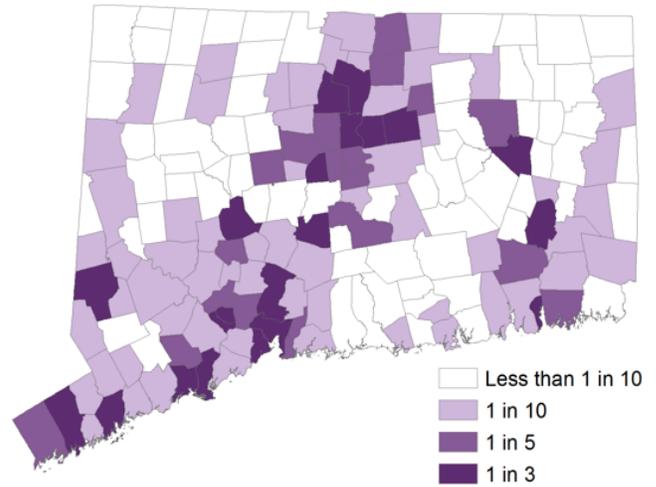


Connecticut's population is becoming more racially diverse

Connecticut, by Race and Ethnicity, 2000-2017



Ratio of persons of color, by Town, 2017



US Census Bureau, Population Estimates Program, Connecticut 2000 and 2017
US Census Bureau, ACS Estimates, 2017

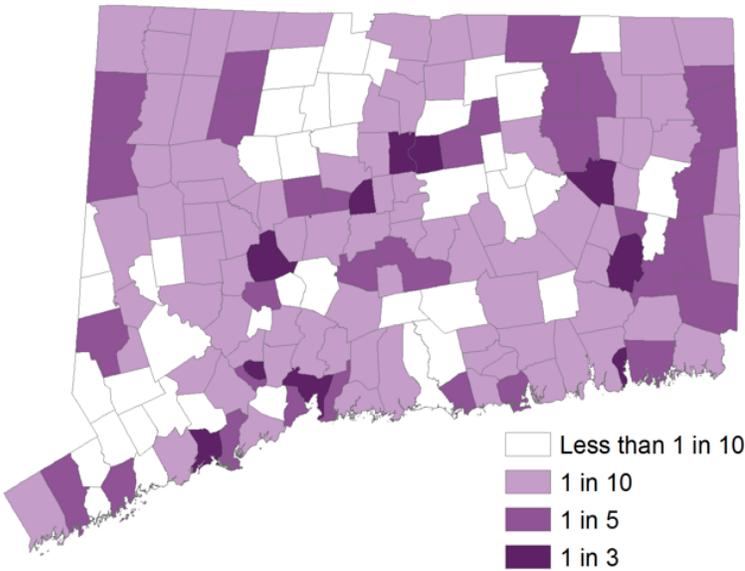


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23% are living below 200% of the poverty threshold

Ratio of persons living below 200% Federal Poverty Level (FPL), by Town, 2013-2017



US Census Bureau, American Community Survey 5-year estimates, 2013-2017



Coalition Summit

Living Wage* for Family of 3 in CT \$ 59,502

Family Size	100% of the Poverty Threshold	200% of the Poverty Threshold
1 person	\$ 12,488	\$ 24,976
2 people	\$ 15,877	\$ 31,754
3 people	\$ 19,515	\$ 39,030
4 people	\$ 25,094	\$ 50,188
5 people	\$ 29,714	\$ 59,428

*MIT's Living Wage Estimate

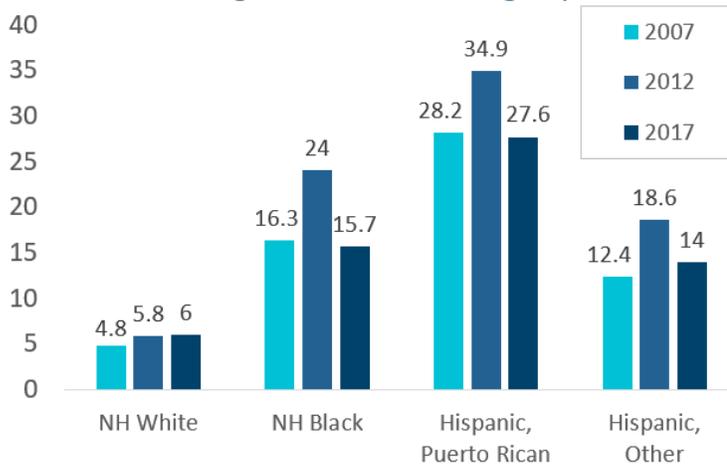
- Almost 1 in 4 live below 200% FPL
- 1 in 10 people in CT live below 100% FPL
- Poverty is high in our cities
- Poverty is high in many of our rural towns

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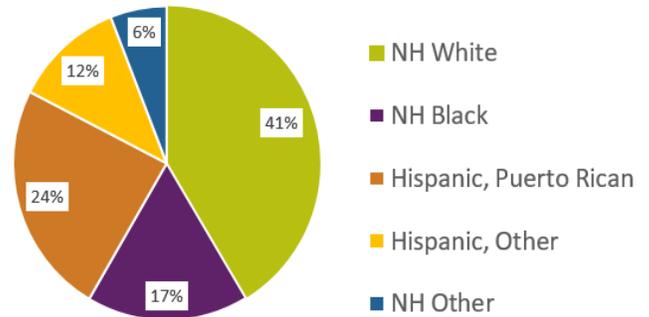
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10% are living below 100% of the poverty threshold

Proportion of persons living in poverty among select racial-ethnic groups



Racial-ethnic distribution of CT residents who live in poverty, 2017



• Persons of color are more likely to live in poverty than whites

• Poverty cuts across race and ethnicity

US Census Bureau, American Community Survey 1-year estimates, 2007, 2012, 2017

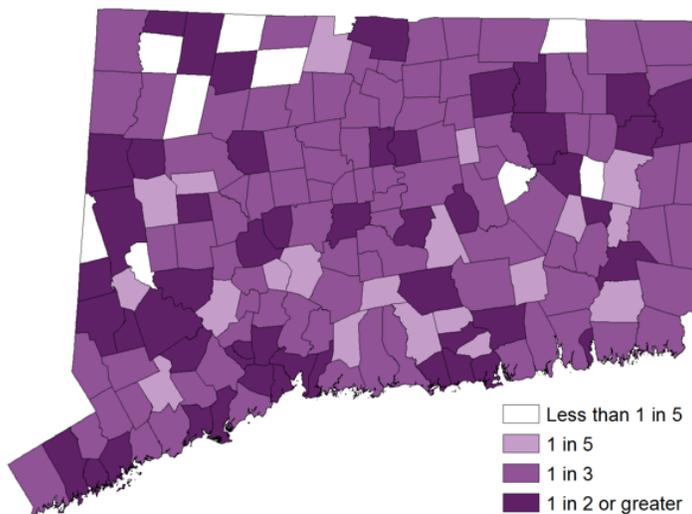


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Housing Affordability

Ratio of renters spending 30% or more of gross income on rent, by town, 2013-2017



US Census Bureau, American Community Survey 5-year estimates, 2013-2017



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- Cost-burdened Households spend 30% or more of gross income on housing costs (rent, mortgage)
 - Owners – 29%
 - Renters – 49%
 - Limits resources for other necessities
 - Increases housing instability
 - Changes in employment status
 - Unforeseen costs (medical, car repair)
- Connecticut Eviction Rates
 - 3.0 evictions per 100 rentals = 37 per day
 - Higher than U.S. rate of 2.3 evictions

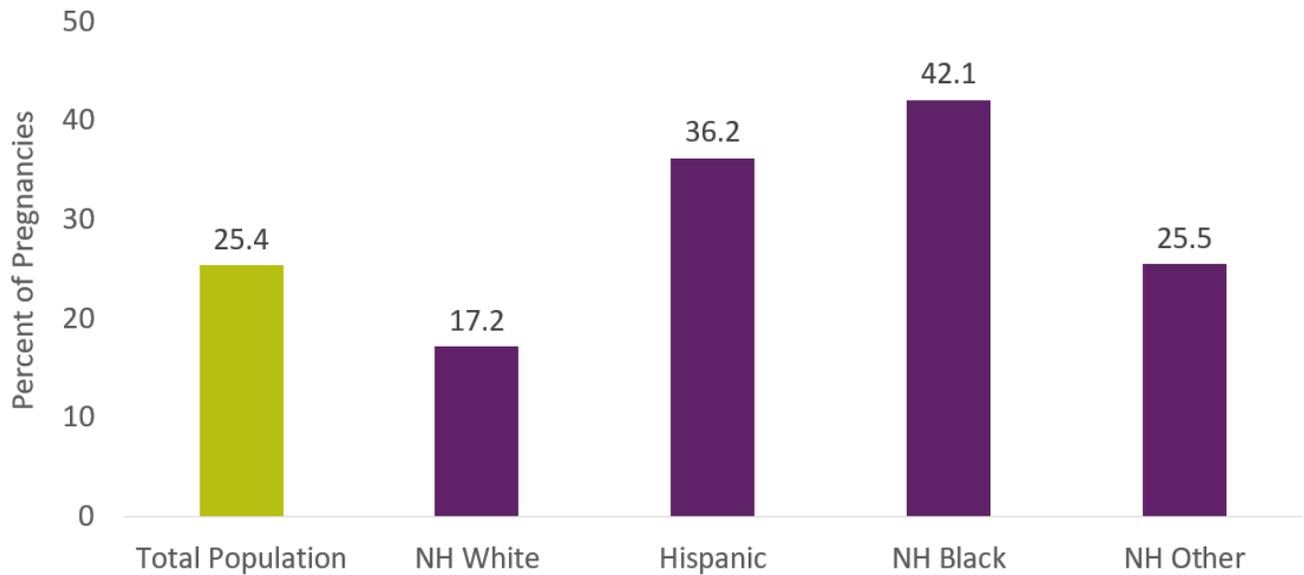
Health Disparities

While CT compares favorably to the United States regarding many health indicators, this summary of the State Health Assessment will demonstrate that certain groups within Connecticut experience a greater share of adverse health events.

- Key Maternal and Child Health indicators
 - Unintended pregnancies
 - Teen births
 - Low birth weight
 - Infant mortality
- Adequate insurance and health care coverage
- Drinking water safety
- Lead poisoning and work-related injuries
- Infectious diseases, including STIs, HIV, vaccine preventable, and emerging trends
- Trauma related to violence and injury
- Chronic diseases and risk factors

Maternal, Infant, and Child Health

Percent of Unintended Pregnancies Among Women Having a Live Birth, by Maternal Race/Ethnicity, Connecticut, 2016



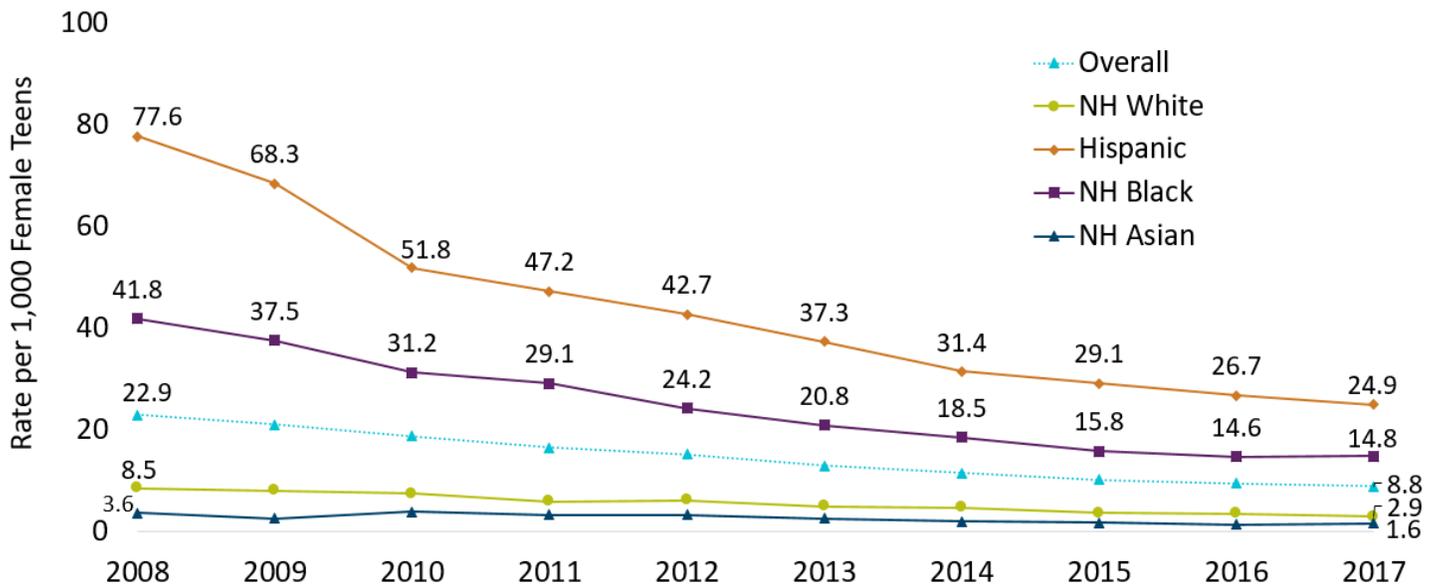
CT Department of Public Health, Pregnancy Risk Assessment Monitoring System (PRAMS), 2016



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Birth Rate Among Teens Ages 15-19 By Race/Ethnicity, Connecticut, 2008-2017



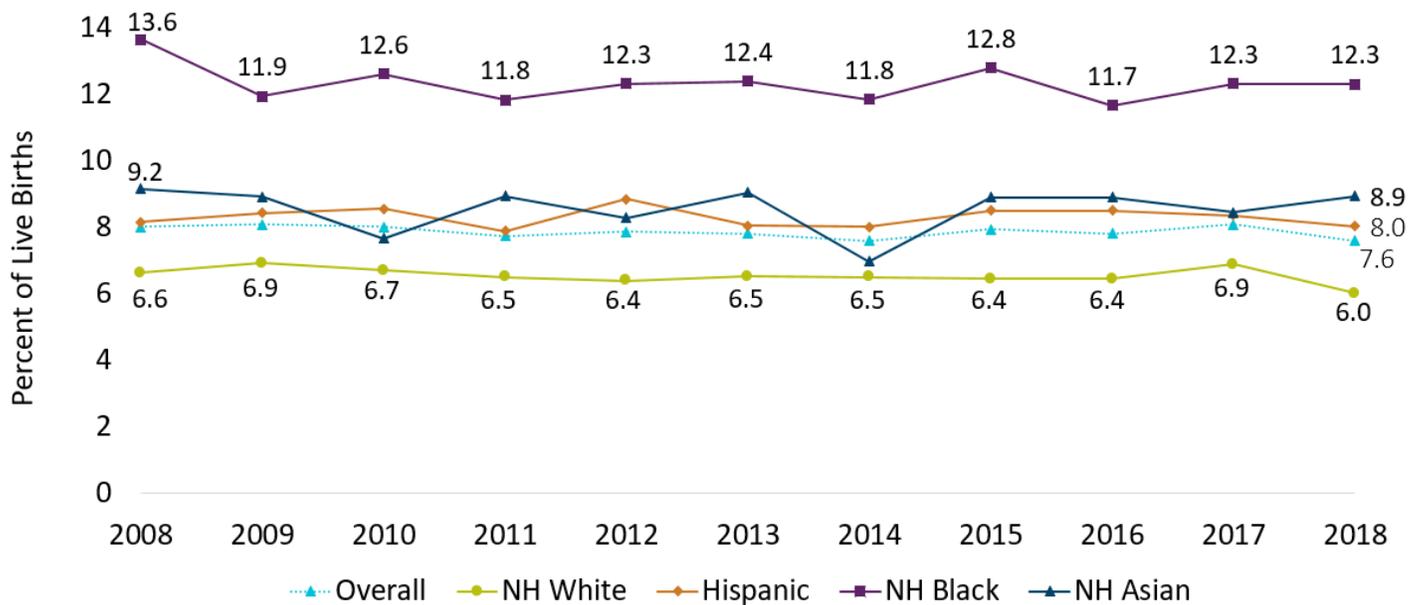
Births Registry, Connecticut DPH Office of Vital Records and Surveillance Analysis and Reporting Unit, 2008-2016, provisional 2017



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Trends in Low Birth Weight (All Pluralities) By Race/Ethnicity, Connecticut, 2008-2018

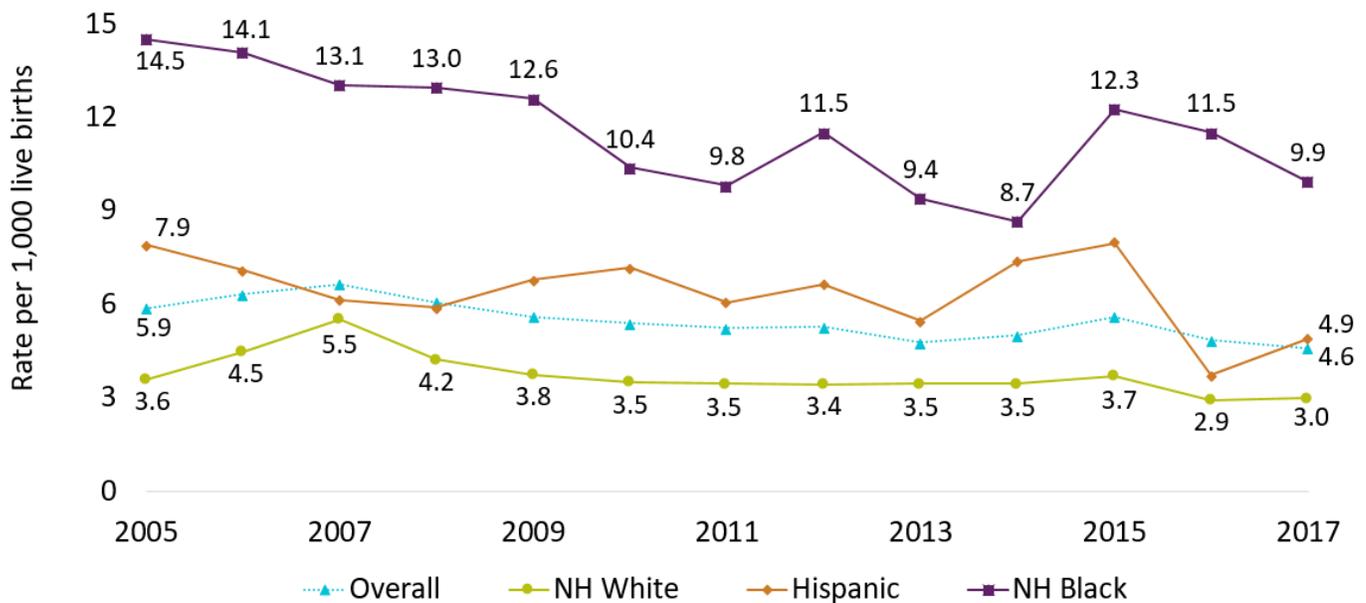


Births Registry, Connecticut Department of Public Health Office of Vital Records and Surveillance Analysis and Reporting Unit, 2008-2016, provisional 2017 and 2018



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Infant Mortality Rate, by Race/Ethnicity, CT 2005-2017

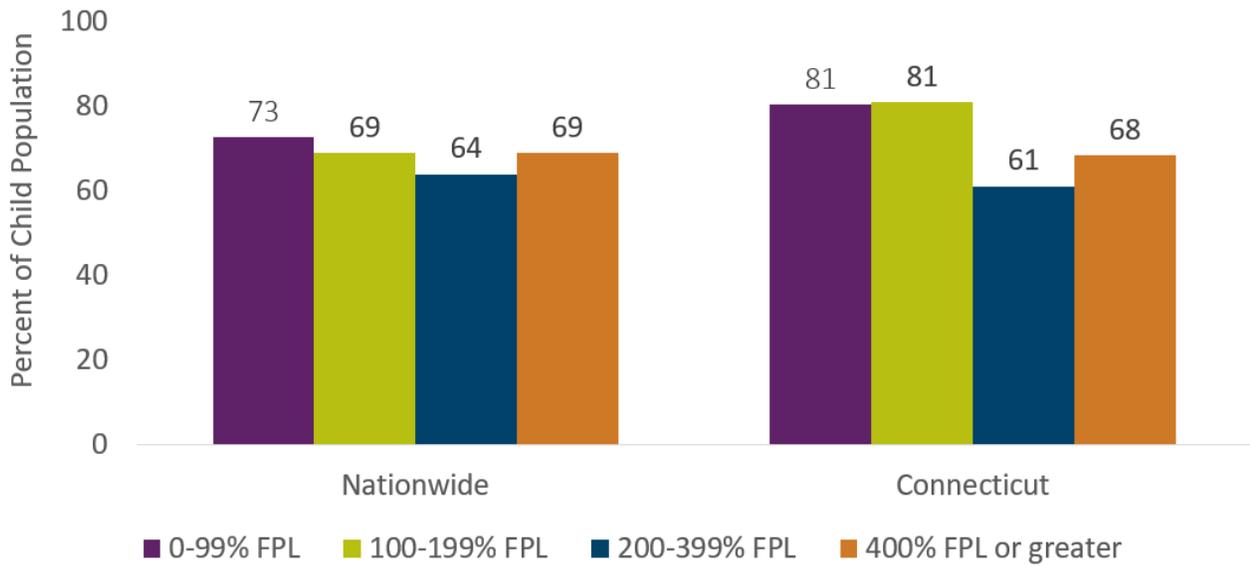


Births and Deaths Registries, Connecticut Department of Public Health Office of Vital Records and Surveillance Analysis and Reporting Unit, 2005-2016, provisional 2017



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Percent of Children, Ages 0-17, Who Are Continuously and Adequately Insured, by Federal Poverty Level (FPL), Connecticut compared to US, 2016-2017



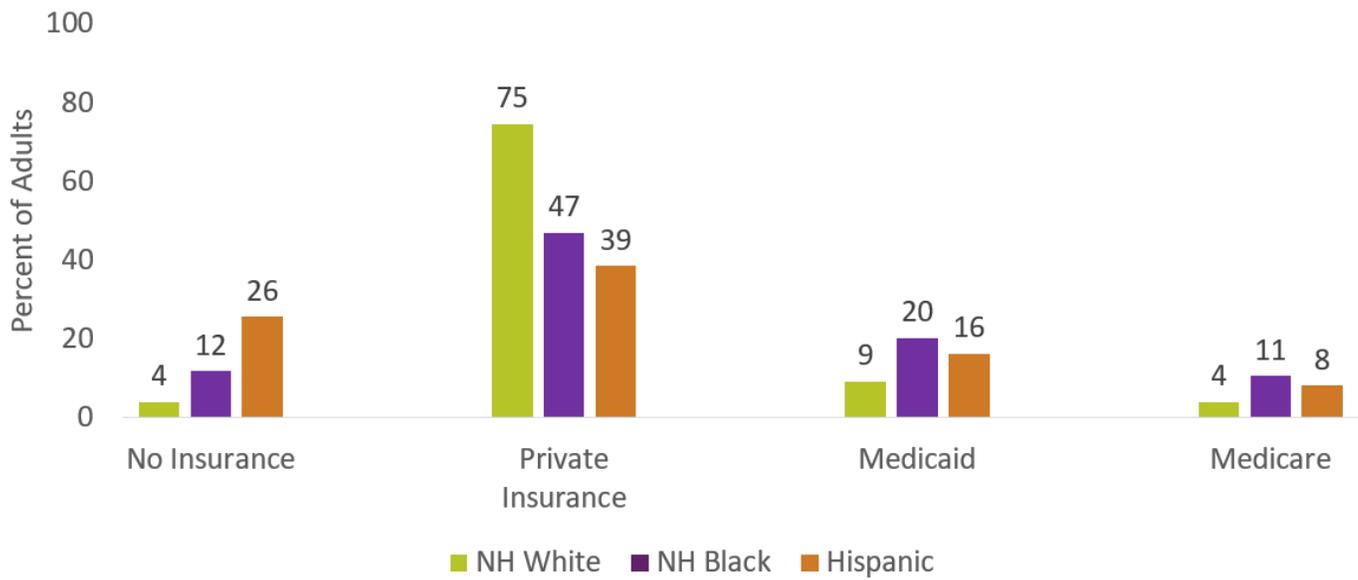
US Health Resources and Services Administration, National Survey of Children's Health, 2016-2017



www.ct.gov/dph/SHIPCoalition

Health Systems

Percent of Health Insurance Coverage among Adults (18-64 years old) by Race/Ethnicity, Connecticut, 2018

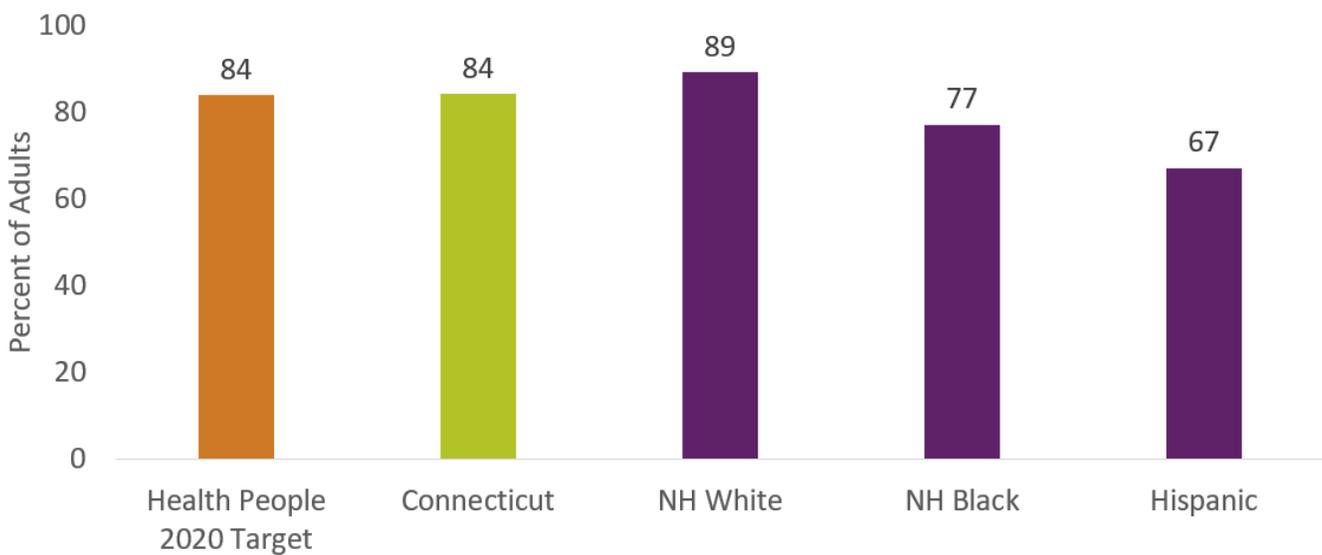


CT Department of Public Health, Behavioral Risk Factor Surveillance System Survey, 2018



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Percent of Adults with at Least One Primary Healthcare Provider, Overall and by Race/Ethnicity, Connecticut, 2018

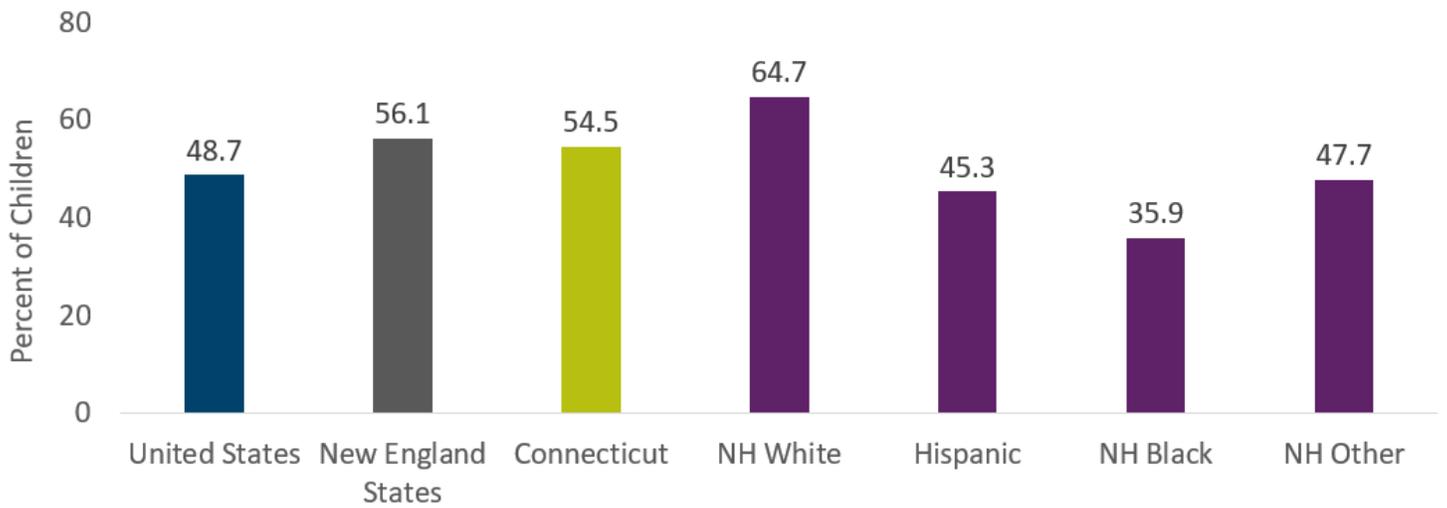


CT Department of Public Health, Behavioral Risk Factor Surveillance System Survey, 2018



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Percent of Children Under 18 Years Old Receiving Care Within a Medical Home, by US, New England States (HRSA Region 1), Race/Ethnicity, Connecticut, 2016

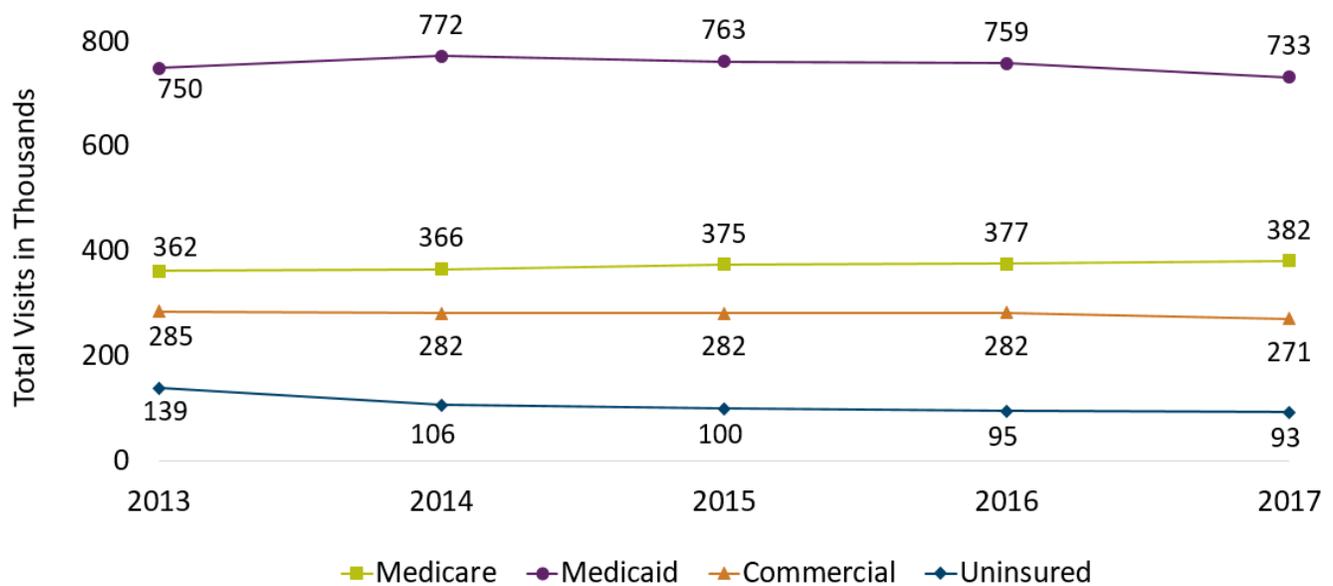


US Health Resources and Services Administration, National Survey of Children's Health, 2016



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Trends in Emergency Room Visits for All Services Other Than Pregnancy and Birth, by Insurance Type, Connecticut, 2013-2017

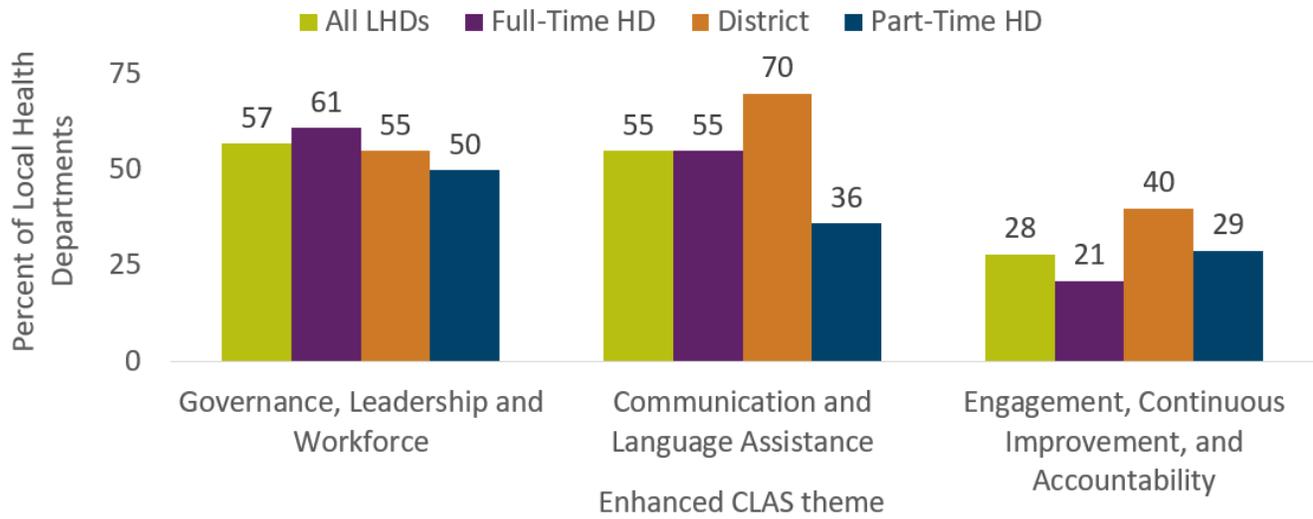


Connecticut Inpatient Hospitalization and Emergency Department Visit Dataset, 2013-2017



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Percent of Local Health Departments (LHD) Satisfying Enhanced National Culturally and Linguistically Appropriate Services Standards By LHD Type, Connecticut, 2018



CT Department of Public Health, Local Health Annual Survey, 2018

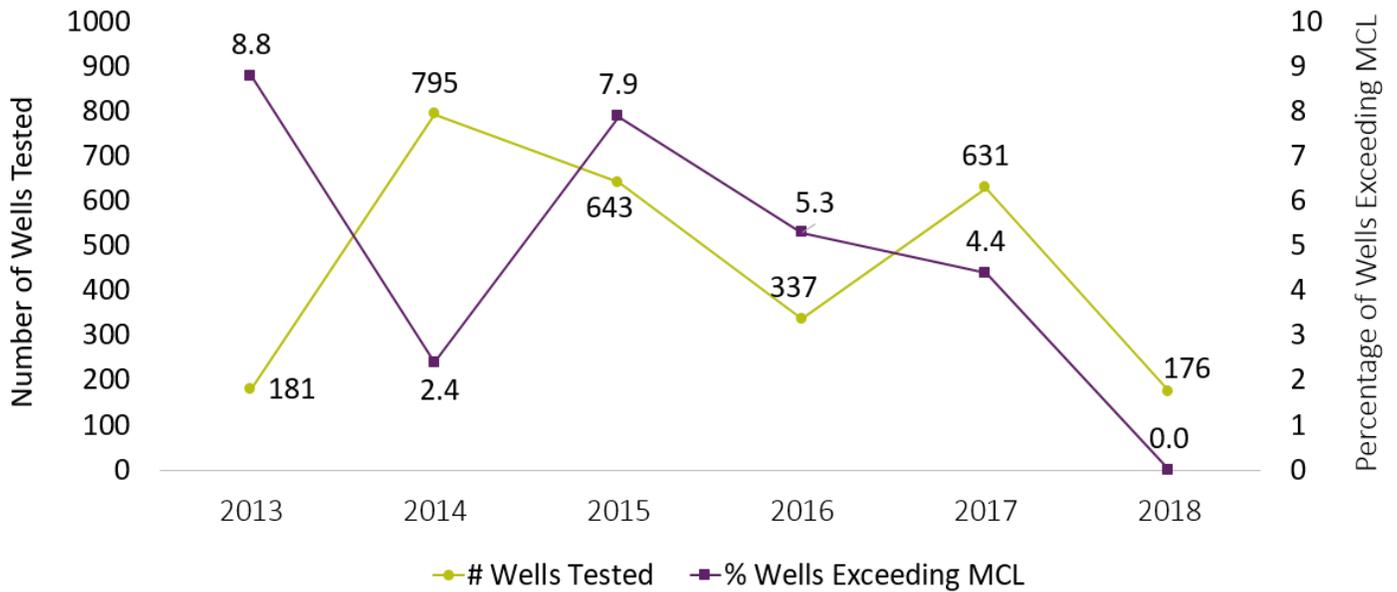


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Drinking Water

Number of Private Wells Tested for Arsenic and Percentage of Wells Exceeding the Maximum Contaminant Level (MCL), Connecticut, 2013-2018

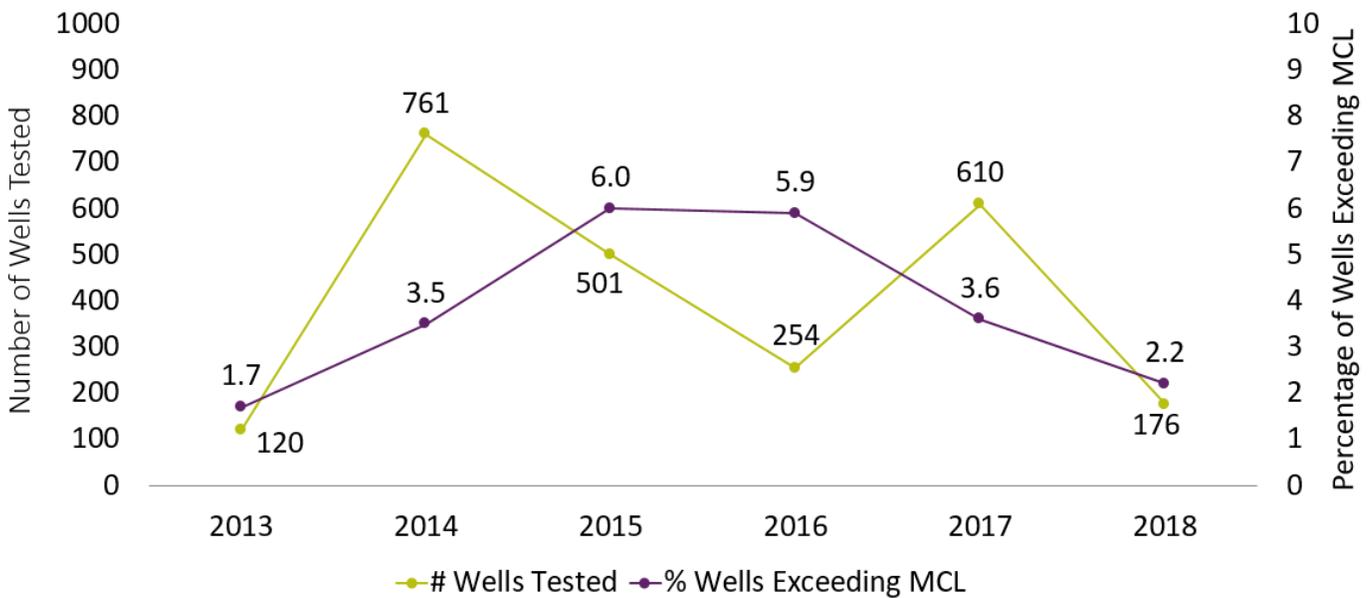


CT Department of Public Health, Private Well Program, 2013-2018



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Number of Private Wells Tested for Uranium and Percentage of Wells Exceeding the Maximum Contaminant Level (MCL), Connecticut, 2013-2018

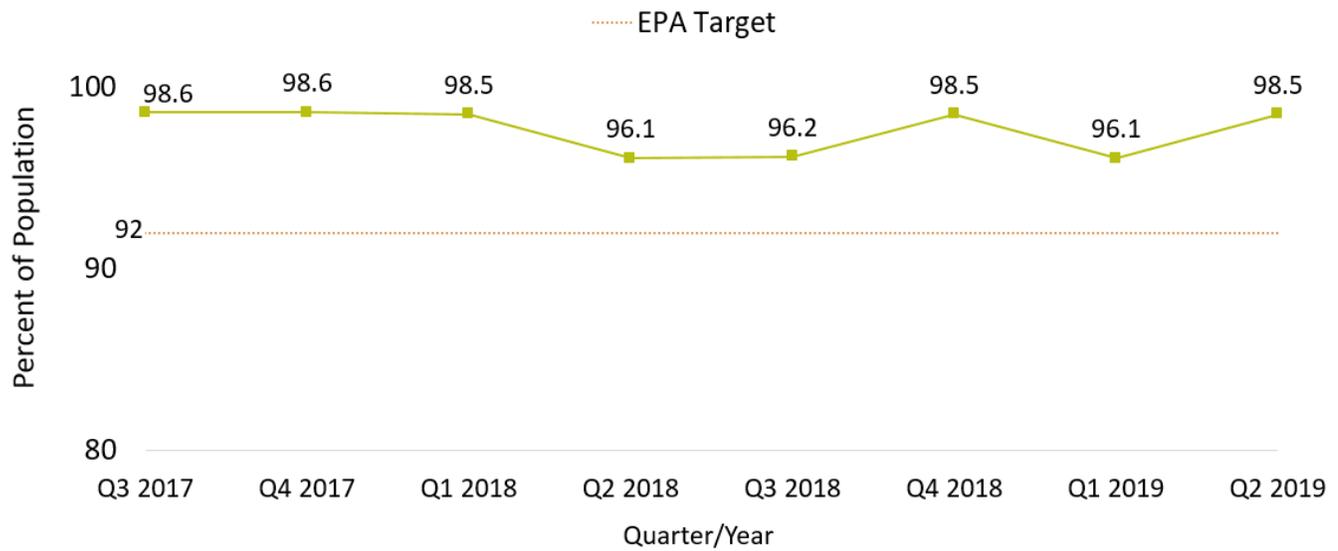


CT Department of Public Health, Private Well Program, 2013-2018



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Percent of Population Served by Community Water Systems That Provide Drinking Water That Meets All Applicable Standards, Connecticut, 2017-2019

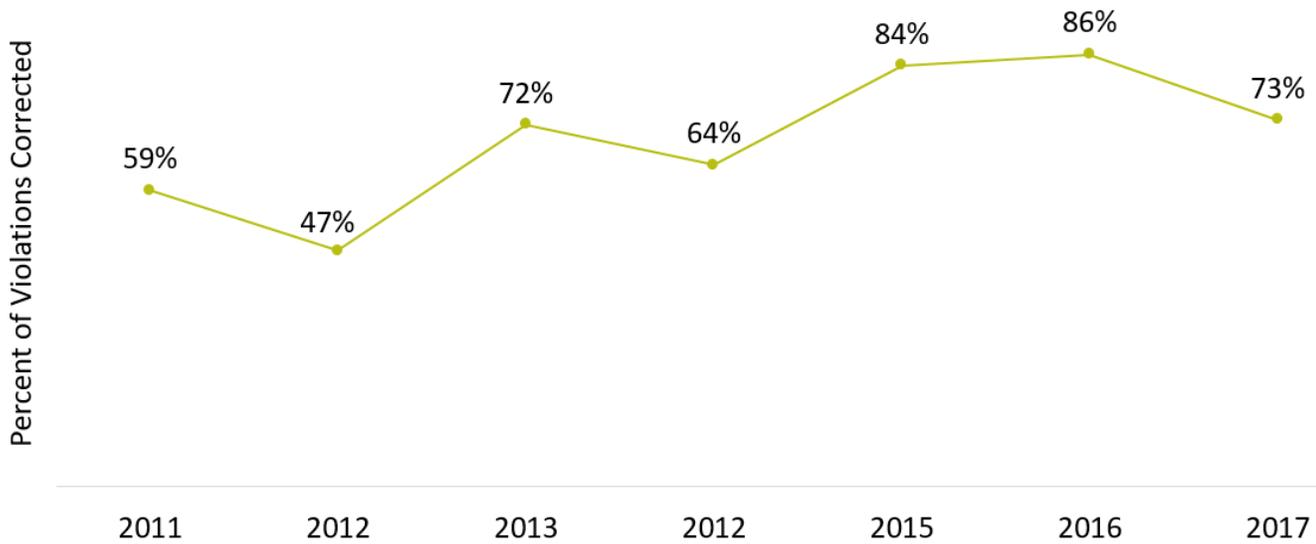


Environmental Protection Agency (EPA), 2017-2019



Environmental Health

Percent of Severe Housing Code Violations that Were Corrected Upon Reassessment, Connecticut, 2011-2017

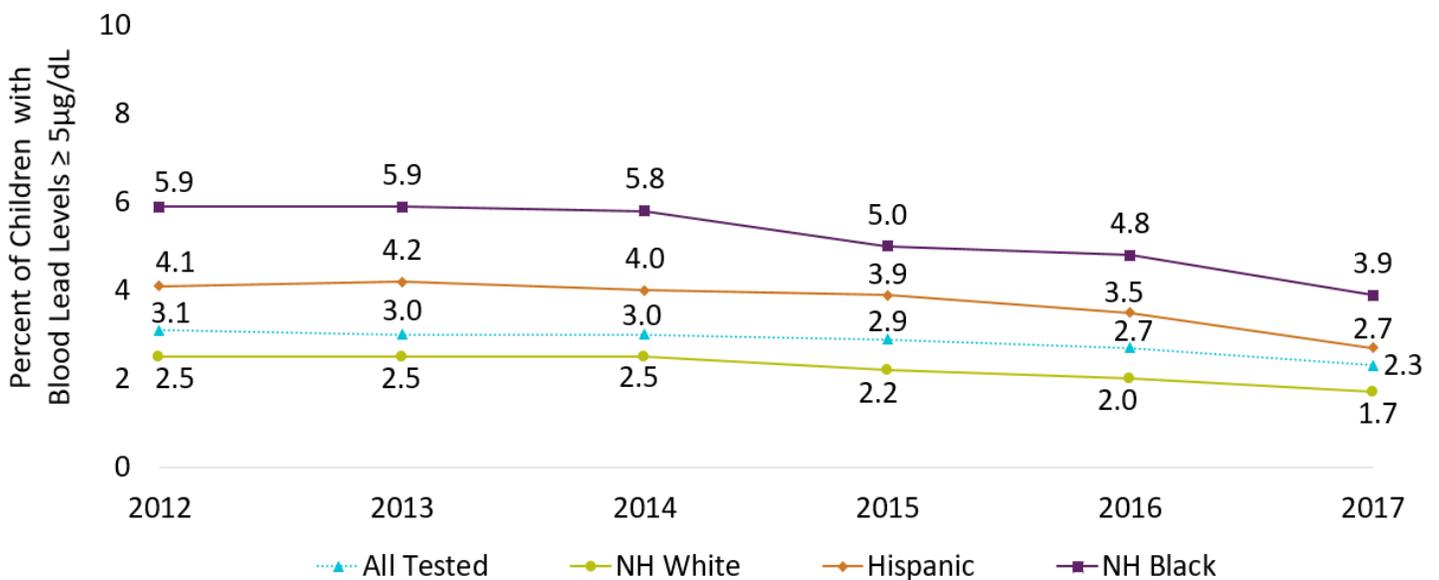


CT Department of Public Health, CT Environmental Public Health Tracking Portal (Healthy Homes Surveillance System), 2011-2017



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Percentage of Lead Poisoned Children Under 6 Years of Age By Race/Ethnicity, Connecticut, 2012-2017

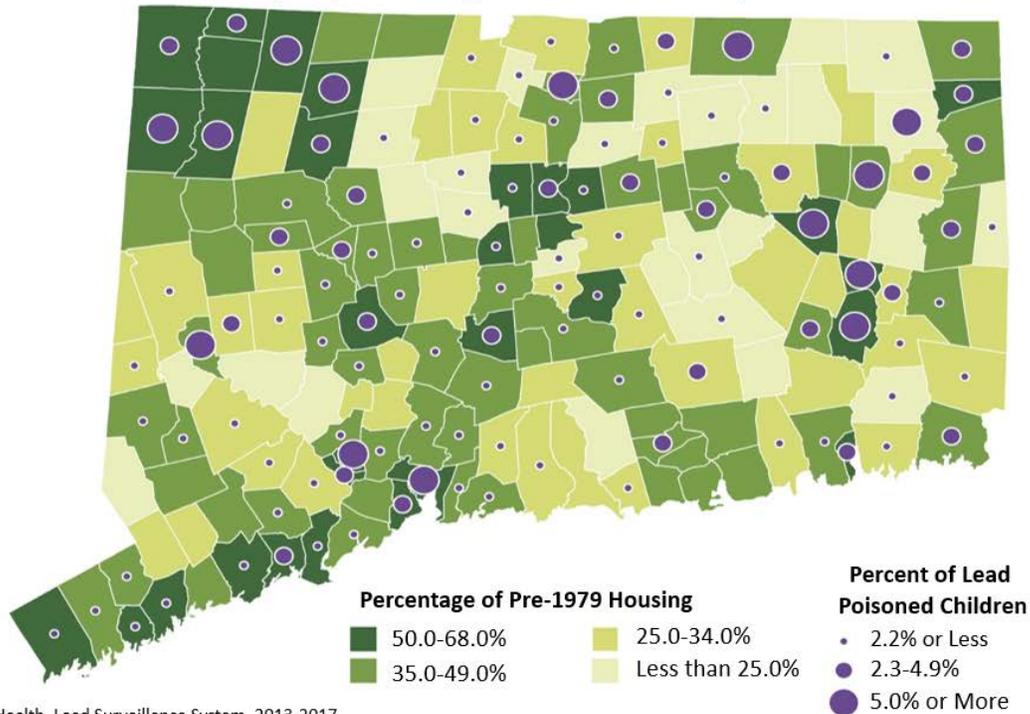


CT Department of Public Health, Lead Surveillance System, 2012-2017



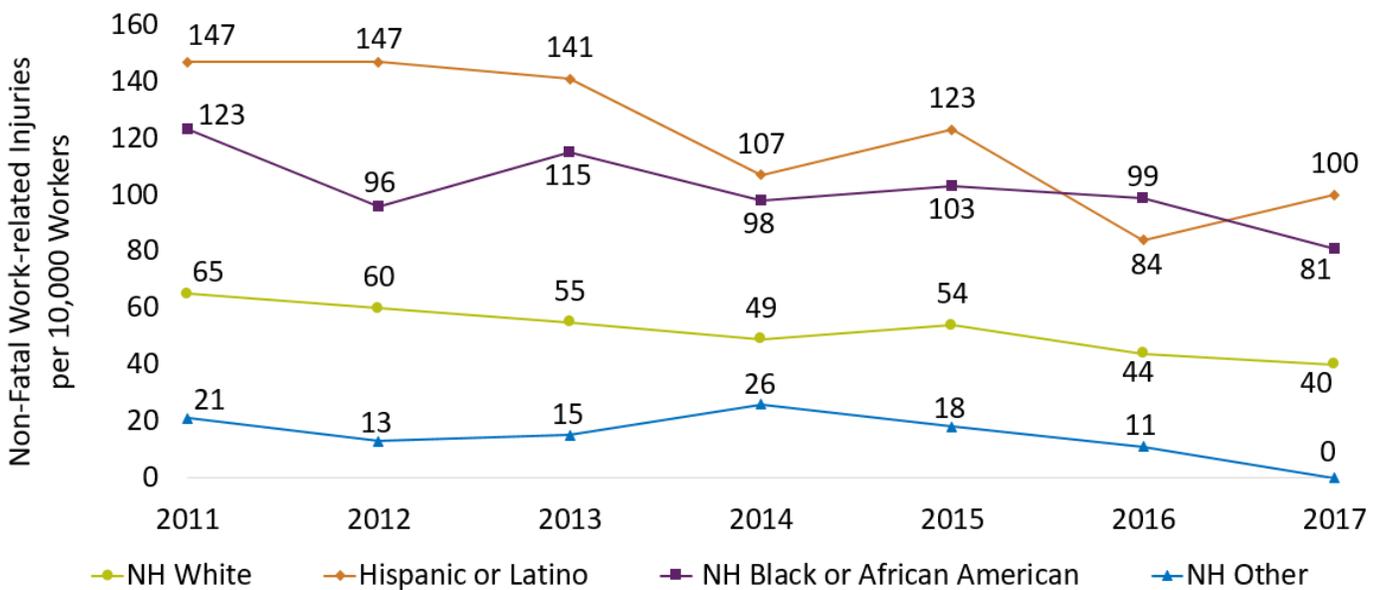
www.ct.gov/dph/SHIPCoalition | 30

Percentages of Pre-1979 Housing and Lead Poisoned Children Under 6 Years Old, By Town, Connecticut, 2013-2017



CT Department of Public Health, Lead Surveillance System, 2013-2017
 US Census Bureau, American Community Survey, Five-Year Estimates, 2013-2017

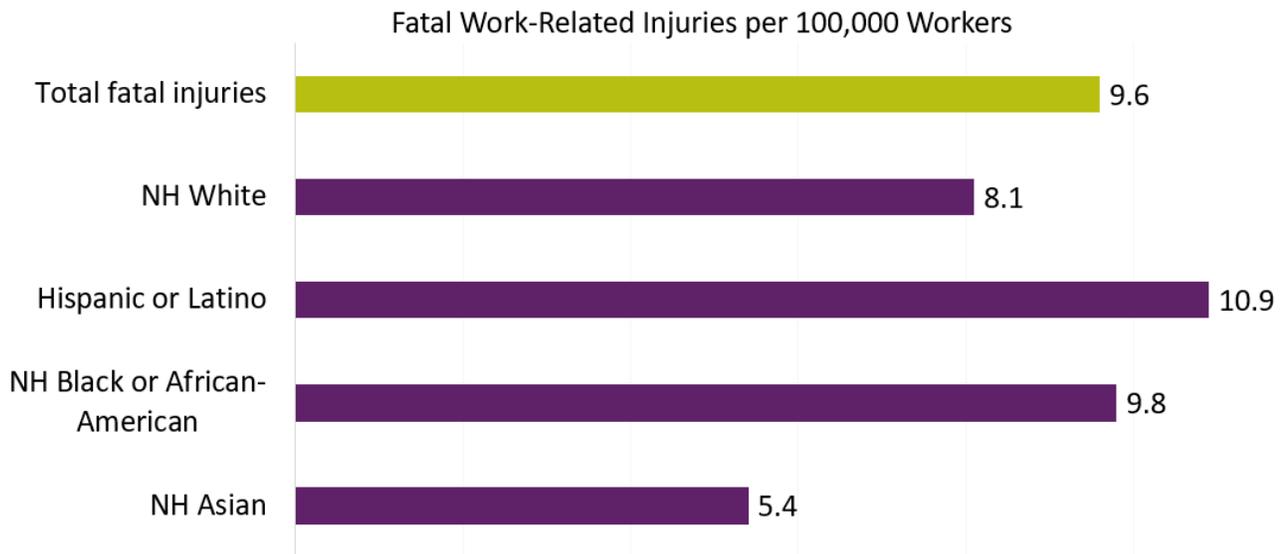
Incidence Rate for Non-Fatal Work-Related Injuries By Race, Connecticut, 2011-2017



US Department of Labor, Bureau of Labor Statistics, 2011-2017



Incidence Rate for Fatal Work-Related Injuries, by Race/Ethnicity, Connecticut, 2013-2017



US Department of Labor, Bureau of Labor Statistics, 2013-2017



www.ct.gov/dph/SHIPCoalition

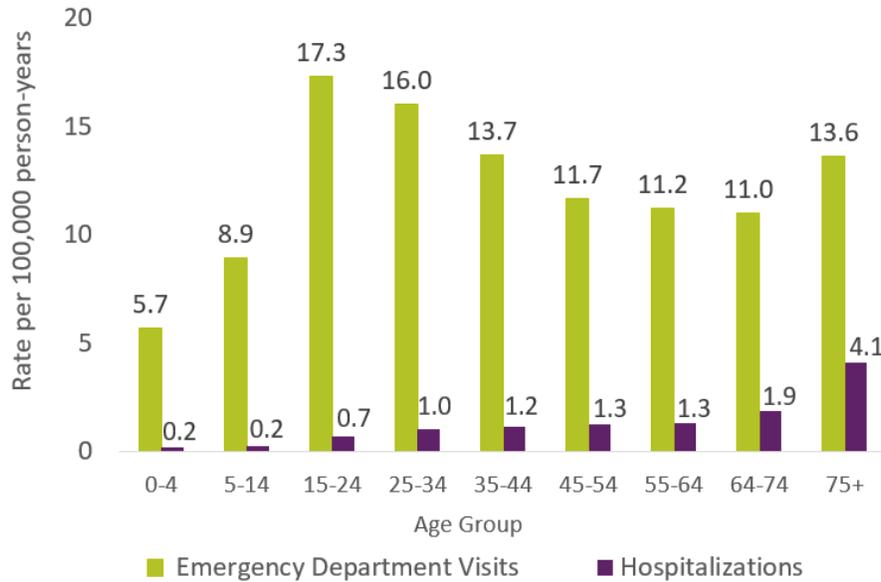
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Climate and Health

Heat-related Illness (HRI) in Connecticut

- Forms of HRI include heat syncope (fainting), edema (swelling), cramps, exhaustion, and stroke.

Rates of HRI Emergency Department Visits and Hospitalizations by Age Group, 2014-2018



Connecticut Inpatient Hospitalization and Emergency Department Visit Dataset, 2014-2018

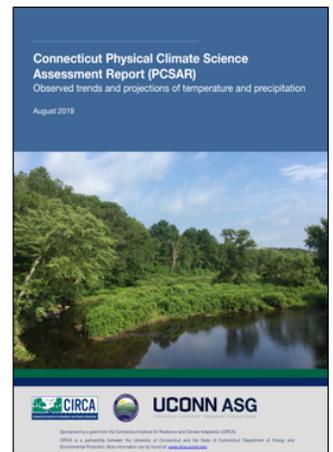
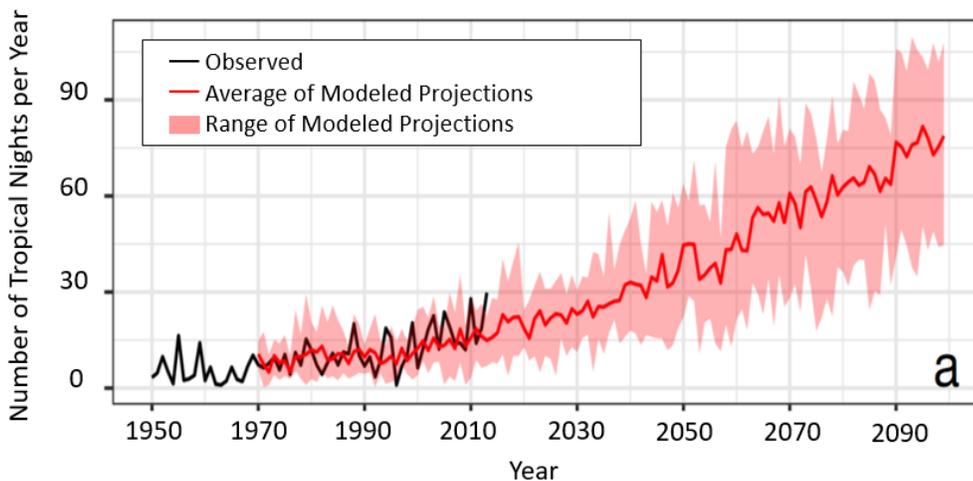
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Increasing Temperatures in Connecticut

- Tropical Nights: days with minimum nighttime temp > 68° F.
- 1950: 10 days/year
- 2100: 70 days/year (projected)

Observed and Projected Annual Number of Tropical Nights, 1950-2100



Connecticut Physical Climate Science Assessment Report, Seth et al. (2019). <https://circa.uconn.edu/wp-content/uploads/sites/1618/2019/08/CTPCSAR-Aug2019.pdf>

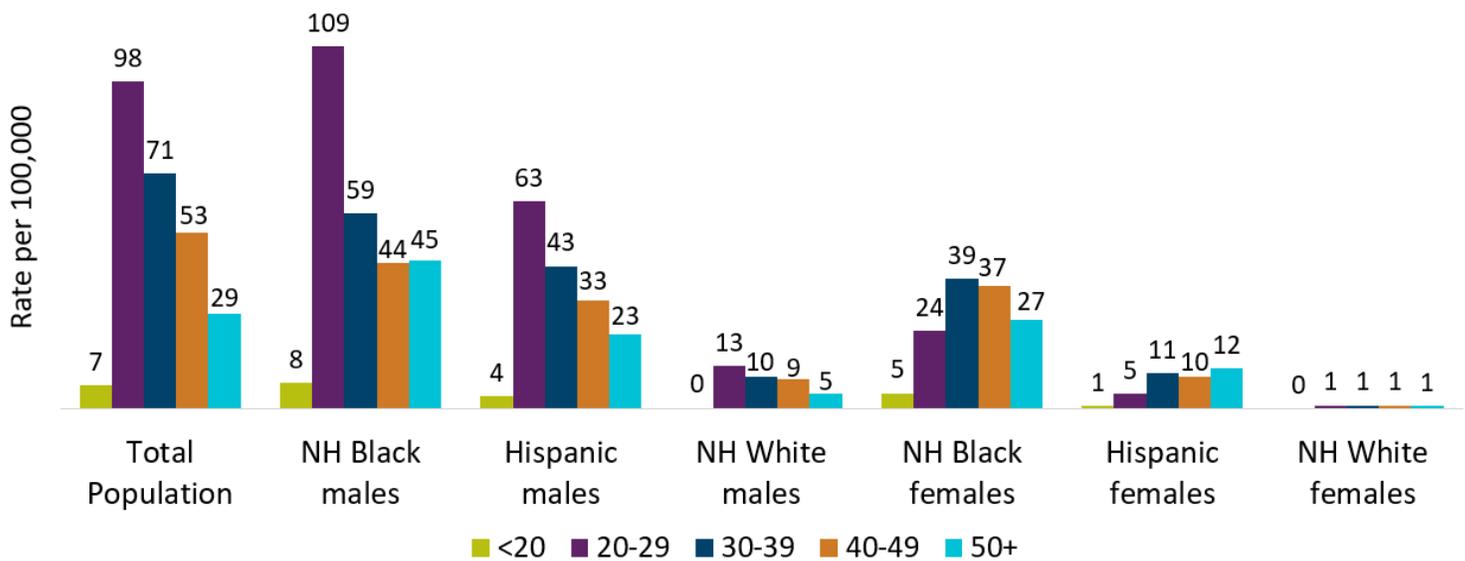


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Infectious Diseases

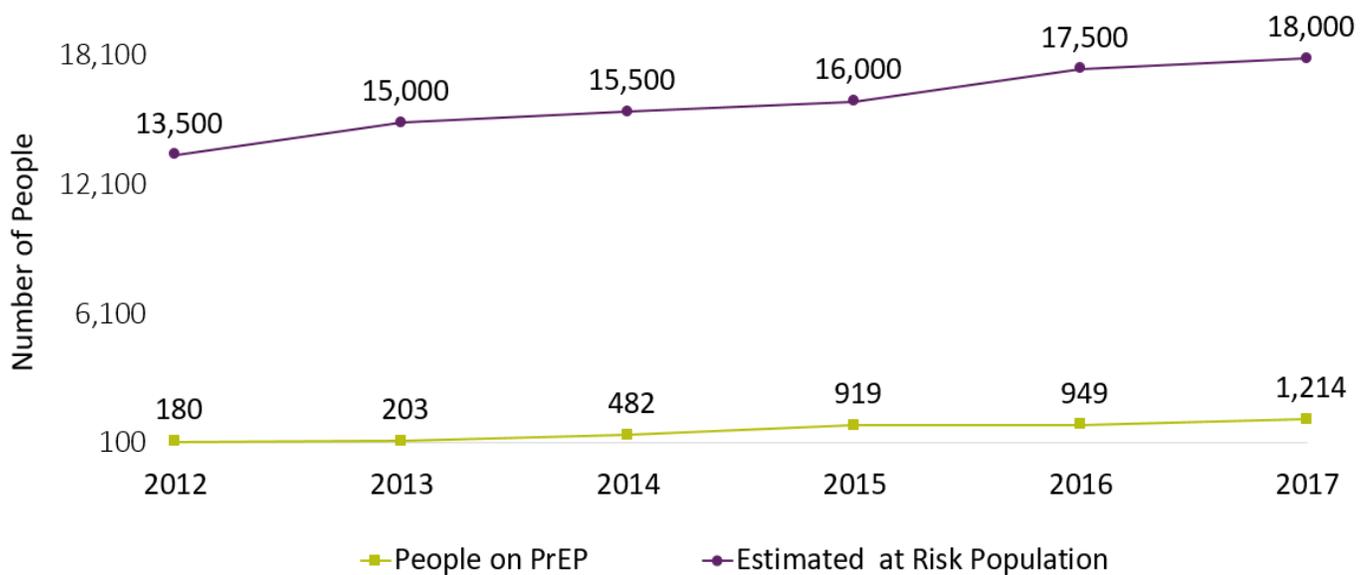
Rate of Newly Diagnosed HIV, by Race, Sex, and Age, Connecticut, 2013-2017



CT Department of Public Health, HIV Surveillance Registry for Cases Reported through December 2018 and State-level Bridged Race Estimates for Connecticut, 2010



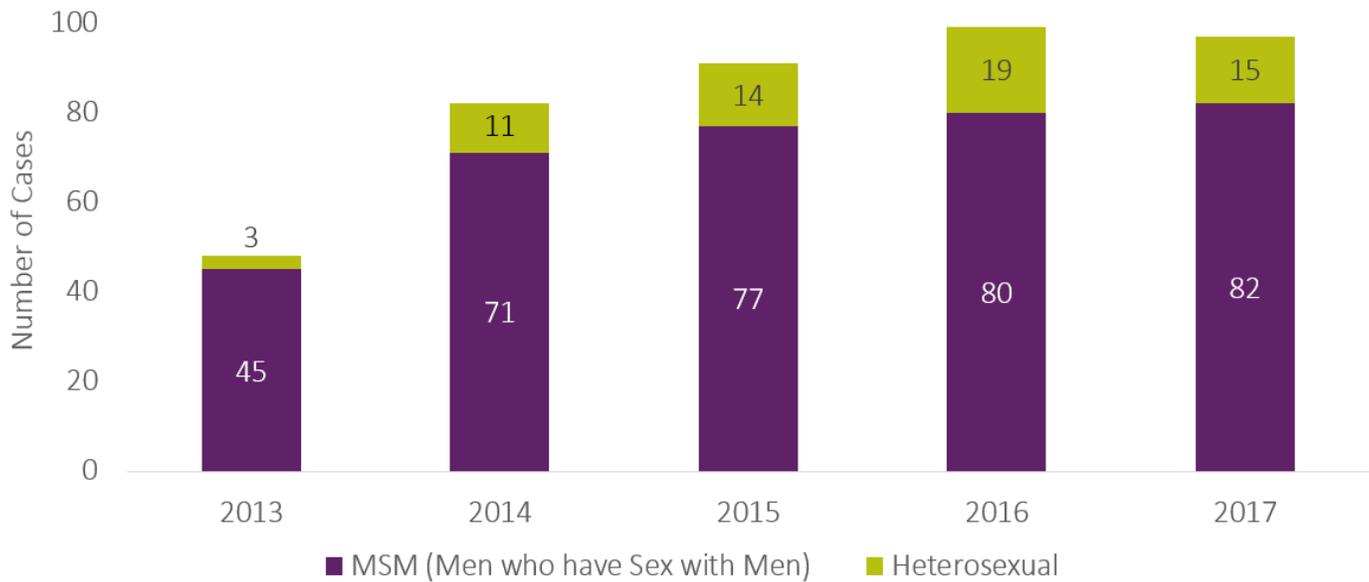
Number of People on Pre-Exposure Prophylaxis (PrEP) and at Risk Population, Connecticut, 2012-2017



Emory University's Rollins School of Public Health, AIDSvu Pre-Exposure Prophylaxis (PrEP) data, 2012-2017



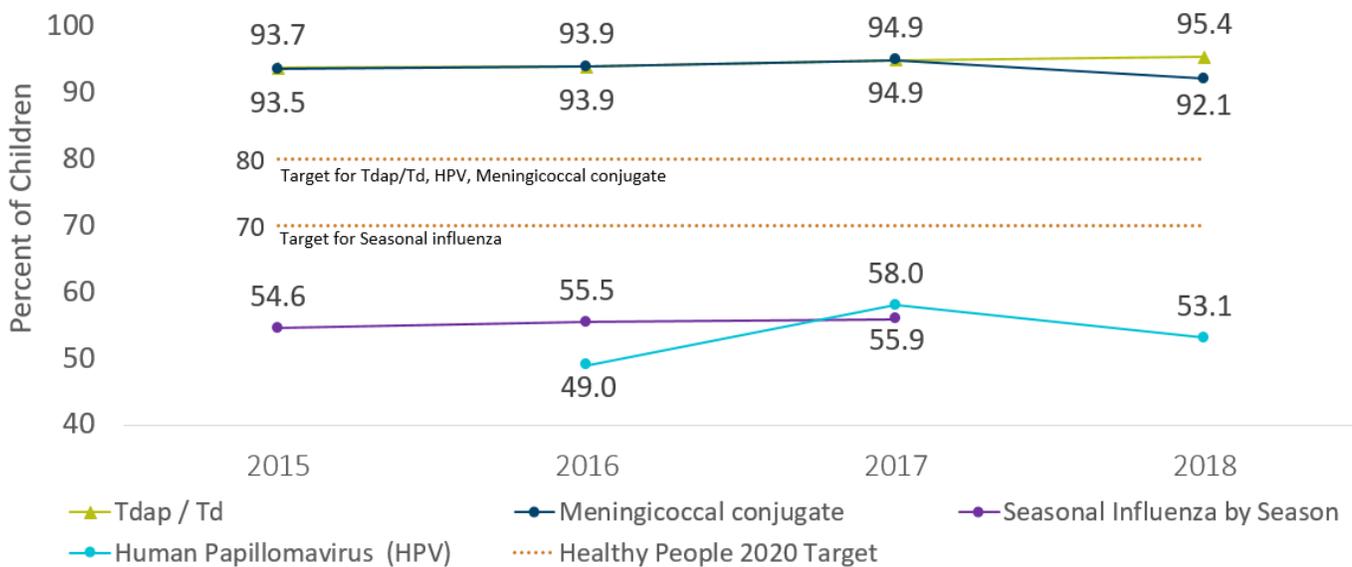
Number of Male Syphilis Cases per Year, by Sex of Sex Partner, Connecticut, 2013-2017



CT Department of Public Health, Sexually Transmitted Diseases Control Program, 2013–2017



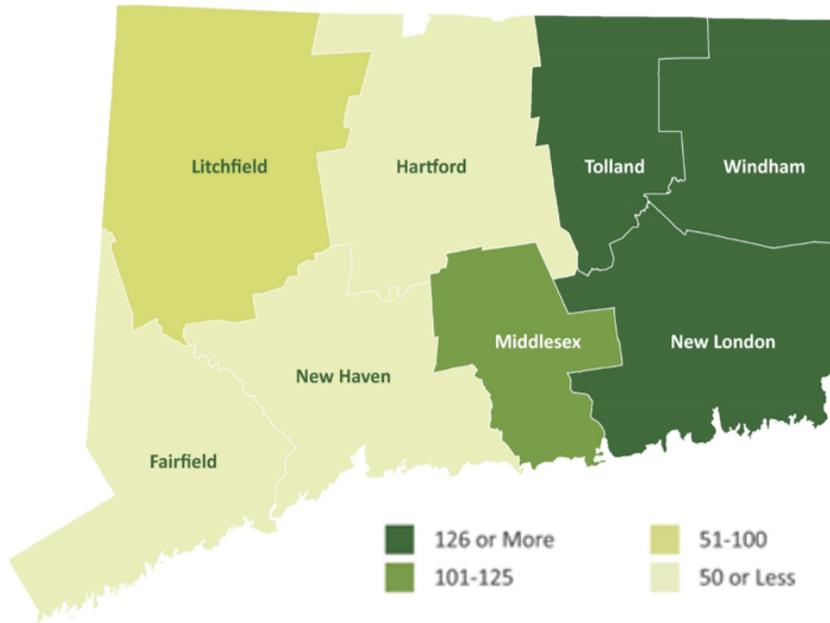
Vaccine Coverage Among Children 13 to 17 Years Old, Connecticut, 2015-2018



Centers for Disease Control and Prevention, National Immunization Survey (NIS), Teen, 2015 - 2018



Incidence Rate of Lyme Disease per 100,000 Population, by County, Connecticut, 2013-2017



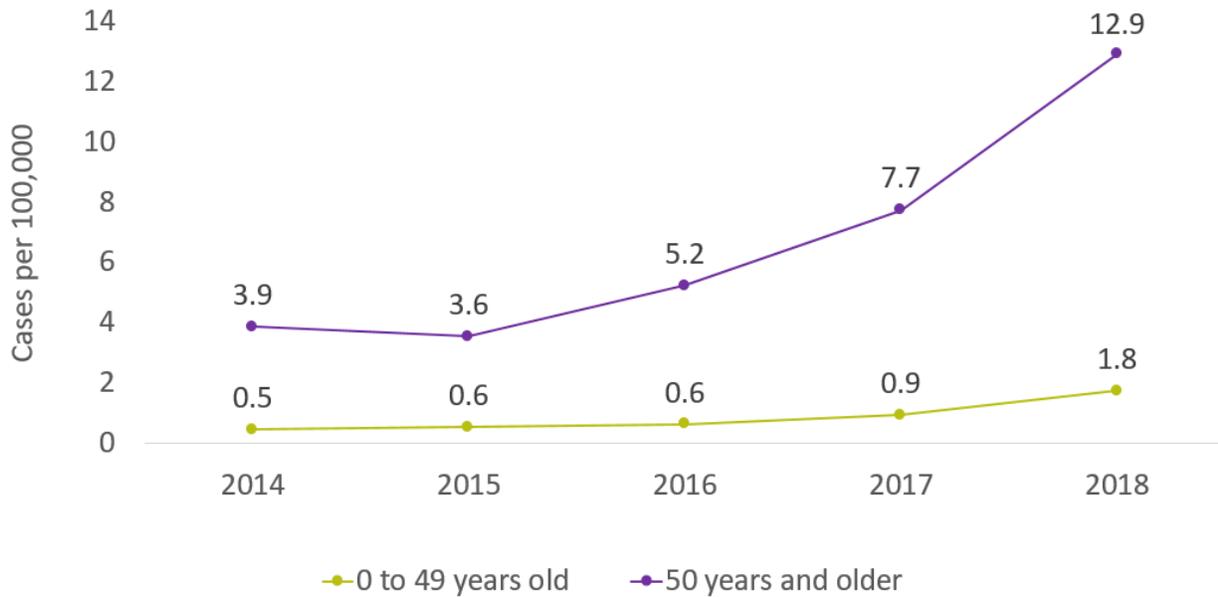
CT Department of Public Health, Connecticut Electronic Disease Surveillance System, 2013-2017



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Cases of Legionellosis per 100,000 by Age Group Connecticut, 2014-2018



CT Department of Public Health, CT Electronic Disease Surveillance System, 2014-2018

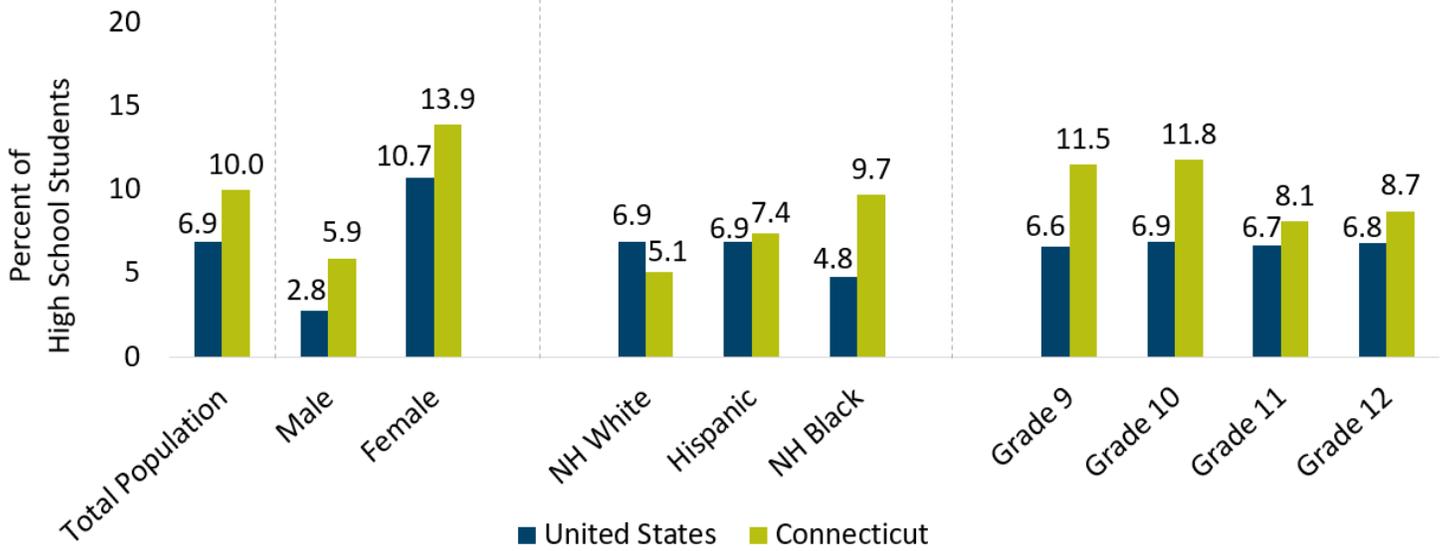


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Behavioral Health, Trauma, and Injury

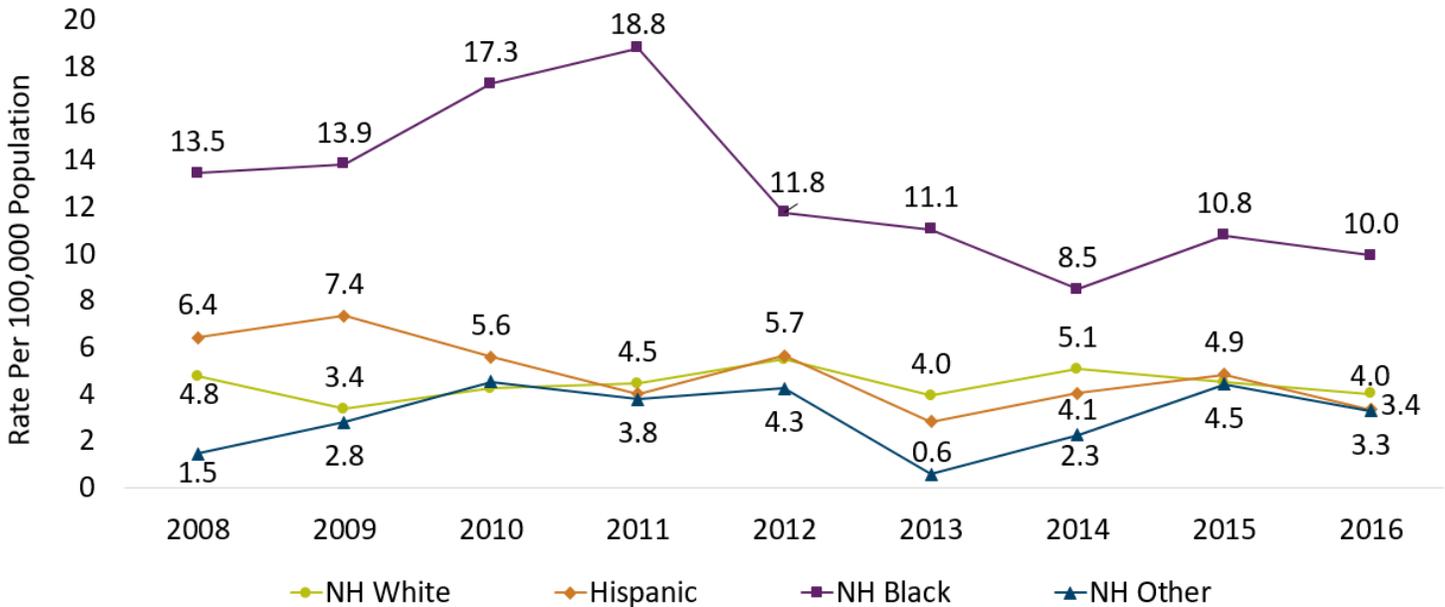
Percent of High School Students who Experienced Sexual Violence Within a Dating Relationship in the Last Year By Sex, Race/Ethnicity and Grade, US and Connecticut, 2017



CT Department of Public Health, CT School Health Survey (Youth Risk Behavior Survey), 2017



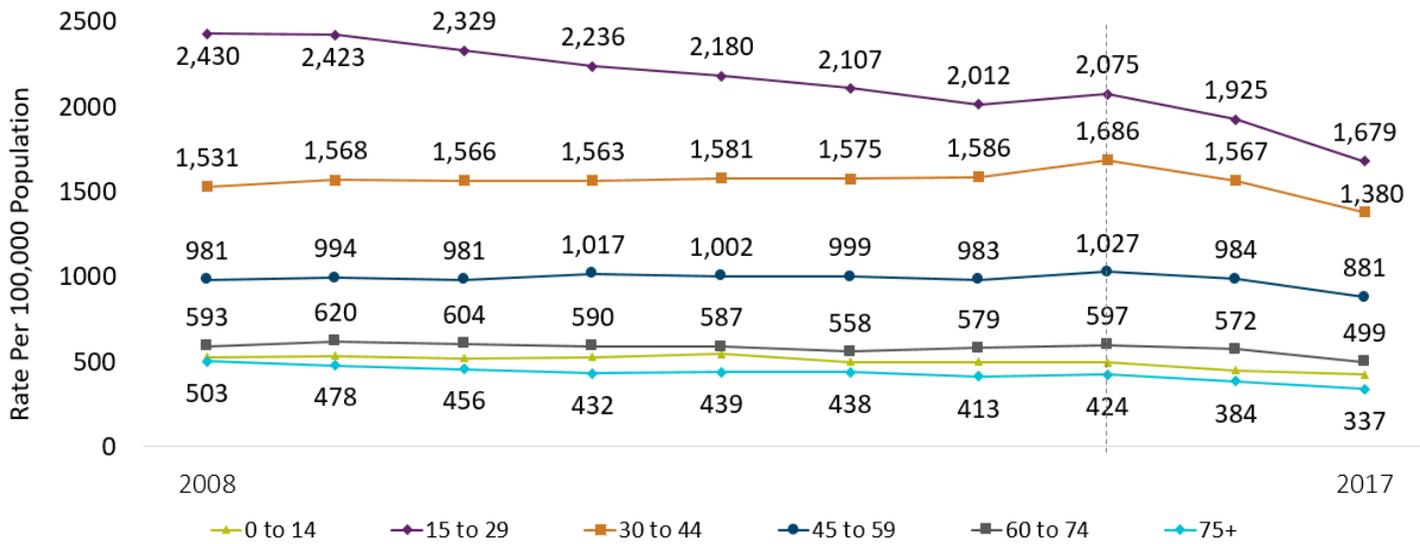
Rate of Firearm-Related Deaths per 100,000 Population, by Race/Ethnicity, Connecticut, 2008-2016



Death Certificate data from CT State Office of Vital Records and provided by the CT DPH Health Statistics and Surveillance Section, 2008-2016



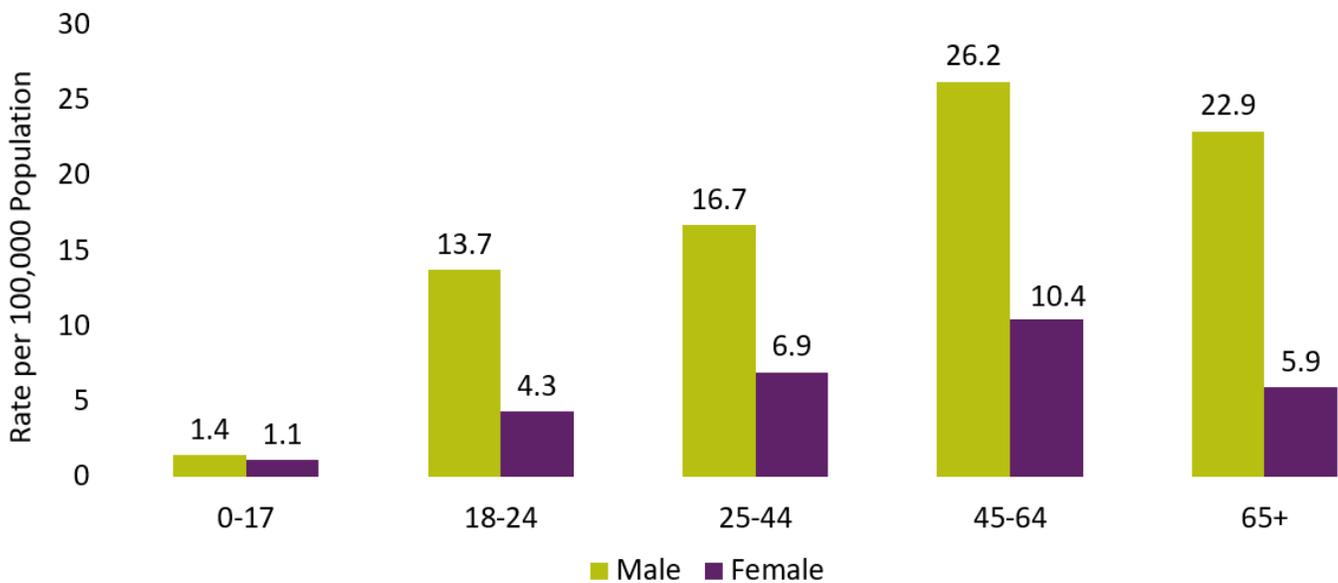
Rate of Non-Fatal Motor Vehicle Traffic-Related Emergency Department Visits and Hospitalizations per 100,000 Population, by Age Group, Connecticut, 2008-2017



Connecticut Inpatient Hospitalization and Emergency Department Visit Dataset, 2008 -2017. The vertical line is the break line where the diagnosis codes were converted from ICD9 to ICD10 (as of October 1, 2015).



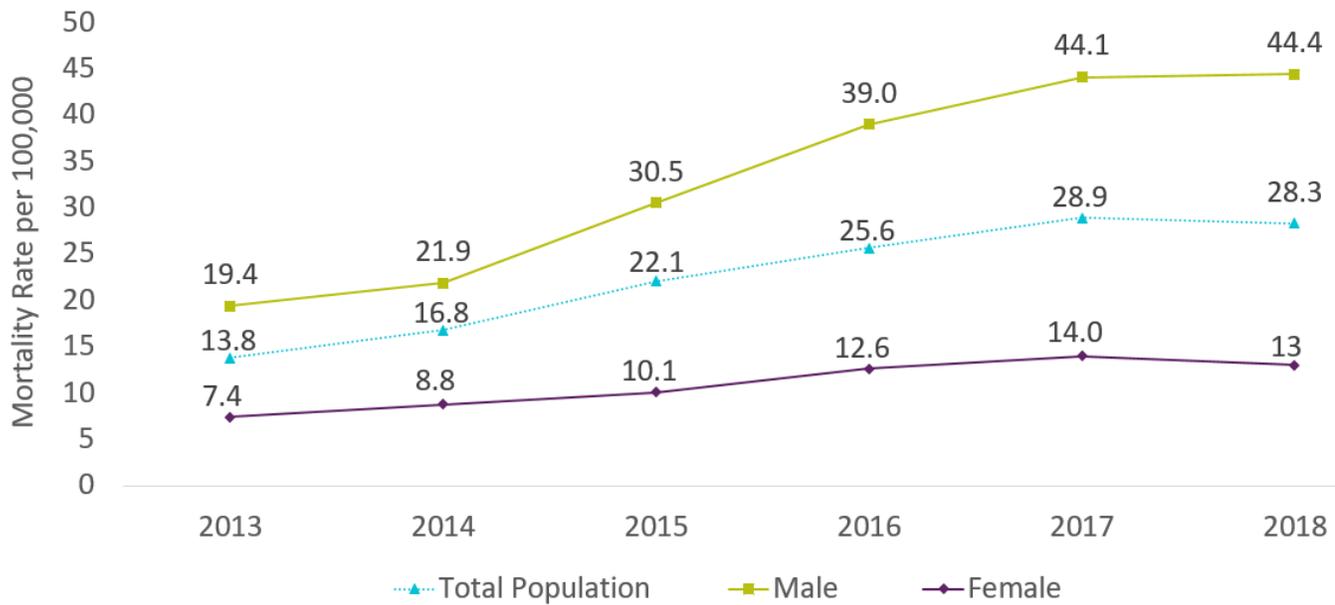
Age-Adjusted Suicide Rate per 100,000 Population, by Sex and Age, Connecticut, 2018



CT Department of Public Health, Connecticut Violent Death Reporting System, 2018



Rate of Drug Overdose-Related Deaths per 100,000 Population, Overall and by Sex, Connecticut, 2013-2018



Office of Chief Medical Examiner, Connecticut, 2013-2018

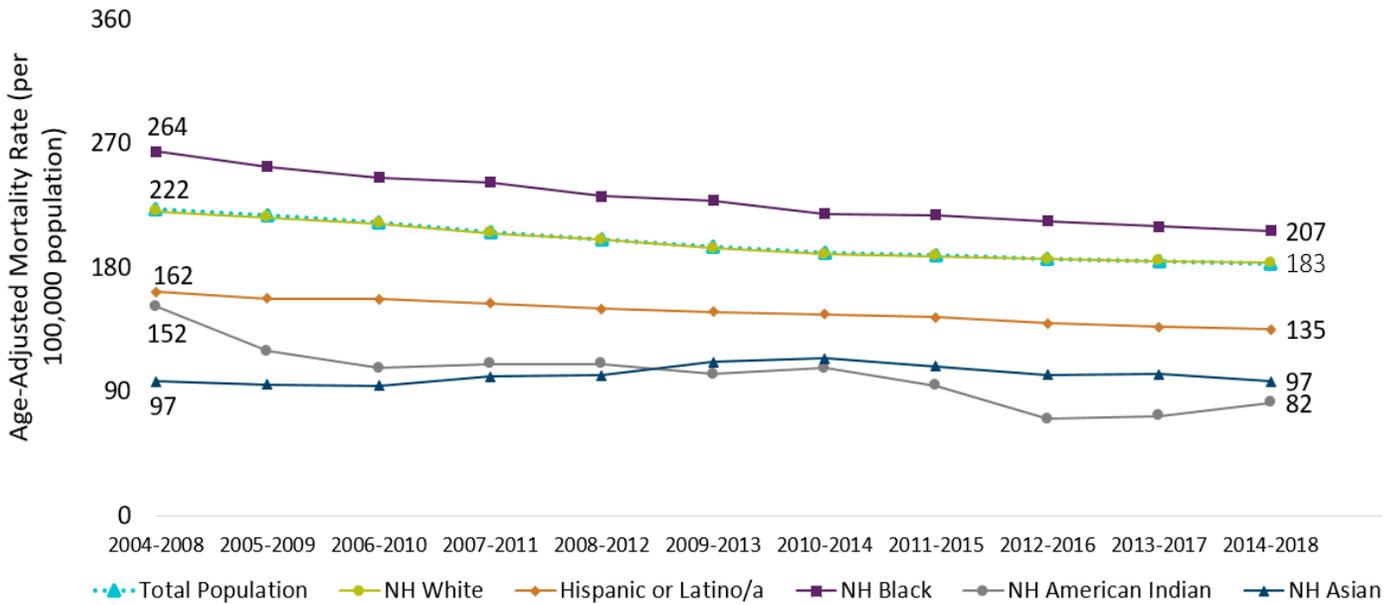


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Chronic Diseases and Risk Factors

Age-Adjusted Mortality Rate with Cardiovascular Disease as a Primary Diagnosis, Overall and by Race/Ethnicity, Connecticut, 2003-2018



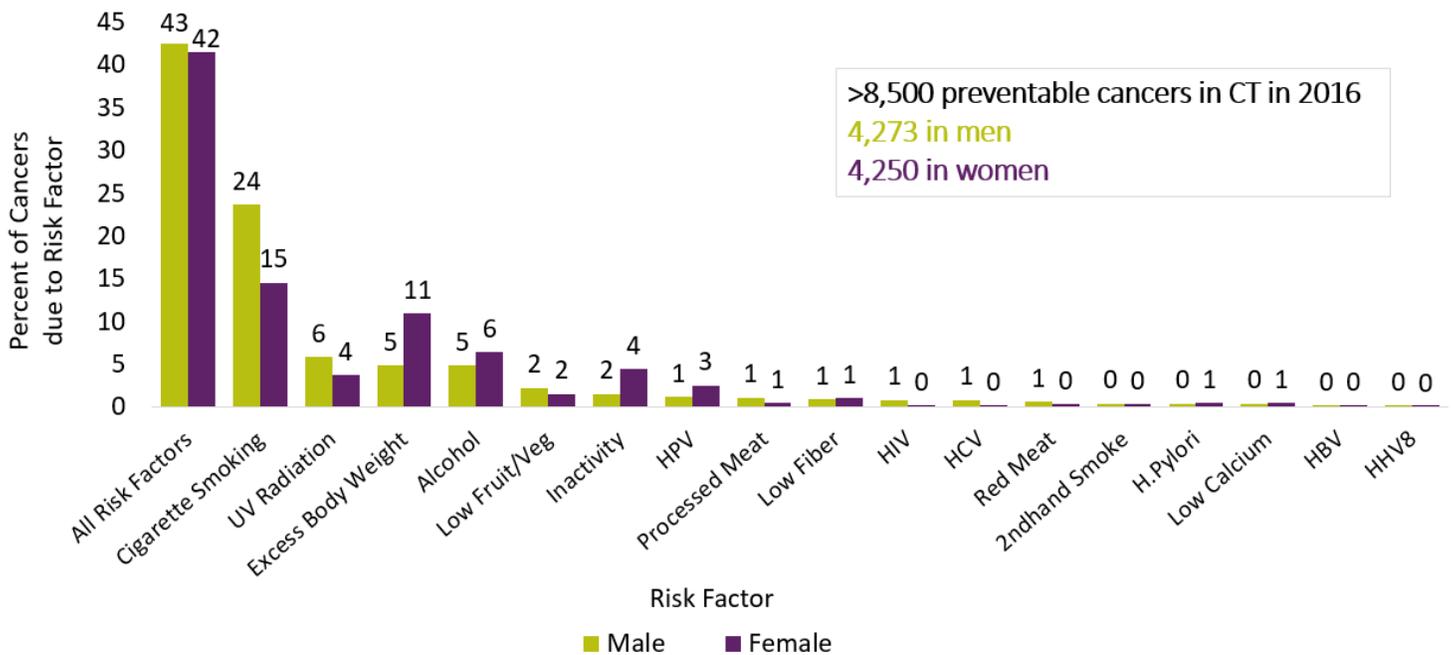
CT Department of Public Health, Rolling 5-year Age-Adjusted Mortality Rates, 2008-2016, provisional 2017 and 2018



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Proportion of cancer cases due to preventable causes, Connecticut, 2016



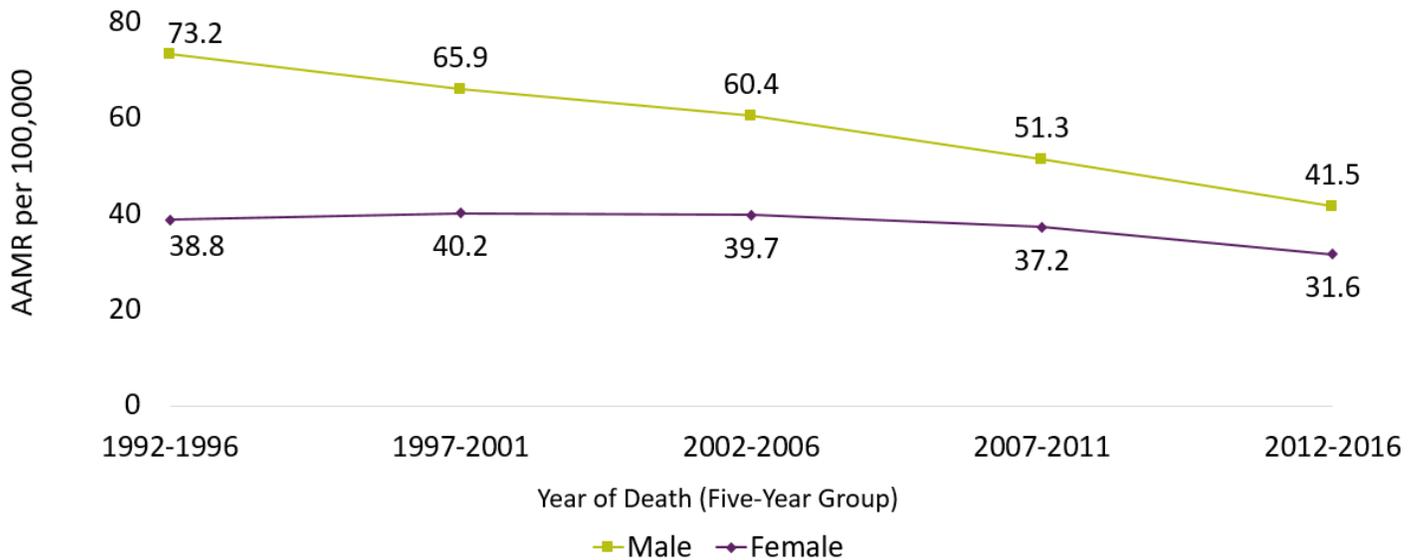
CT Department of Public Health, Connecticut Tumor Registry, 2016. Methodology based on: [Islami et al. CA Cancer J Clin. 2018 Jan;68\(1\):31-54.](#)



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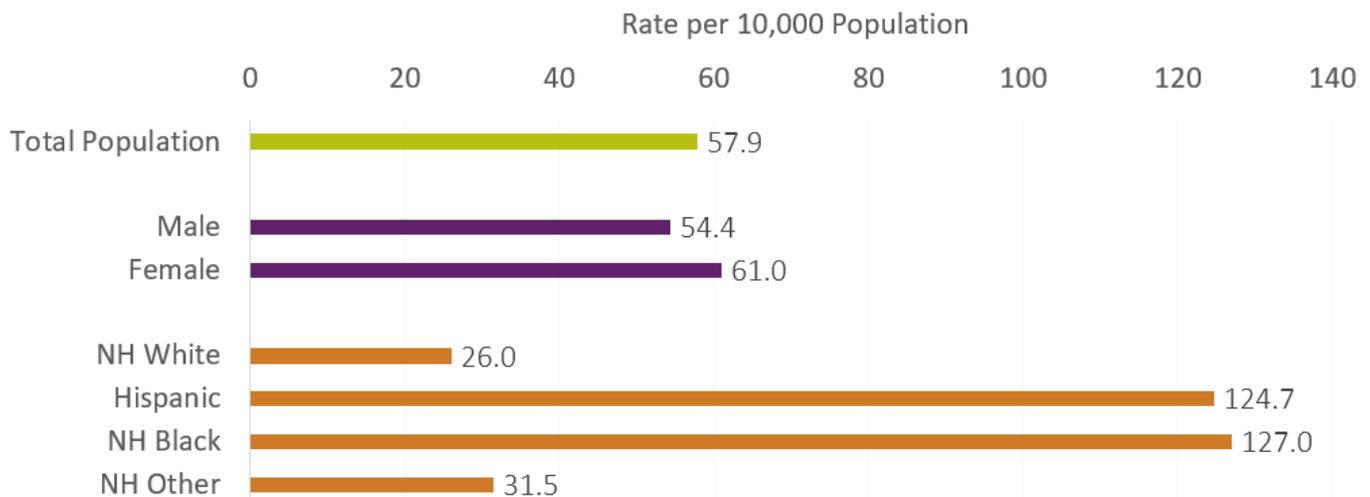
Lung and Bronchus Cancer Age-Adjusted Mortality Rates (AAMR) by Year of Death, Connecticut, 1992-2016



National Cancer Institute, SEER*Stat Database, 1992-2016



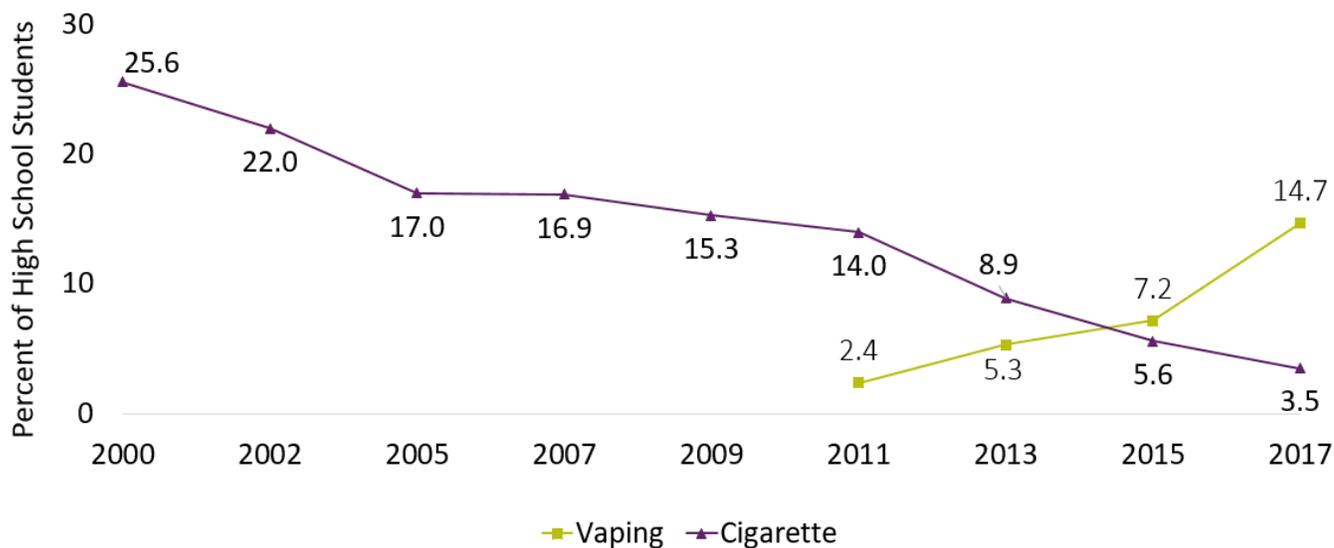
Age-Adjusted Emergency Department Asthma Rate per 10,000 Population, by Gender and Race/Ethnicity, Connecticut, 2018



Connecticut Inpatient Hospitalization and Emergency Department Visit Dataset, 2018



Percent of High School Students Who Currently Used Cigarettes or e-Cigarettes (Vaping) by Year, Connecticut, 2000-2017

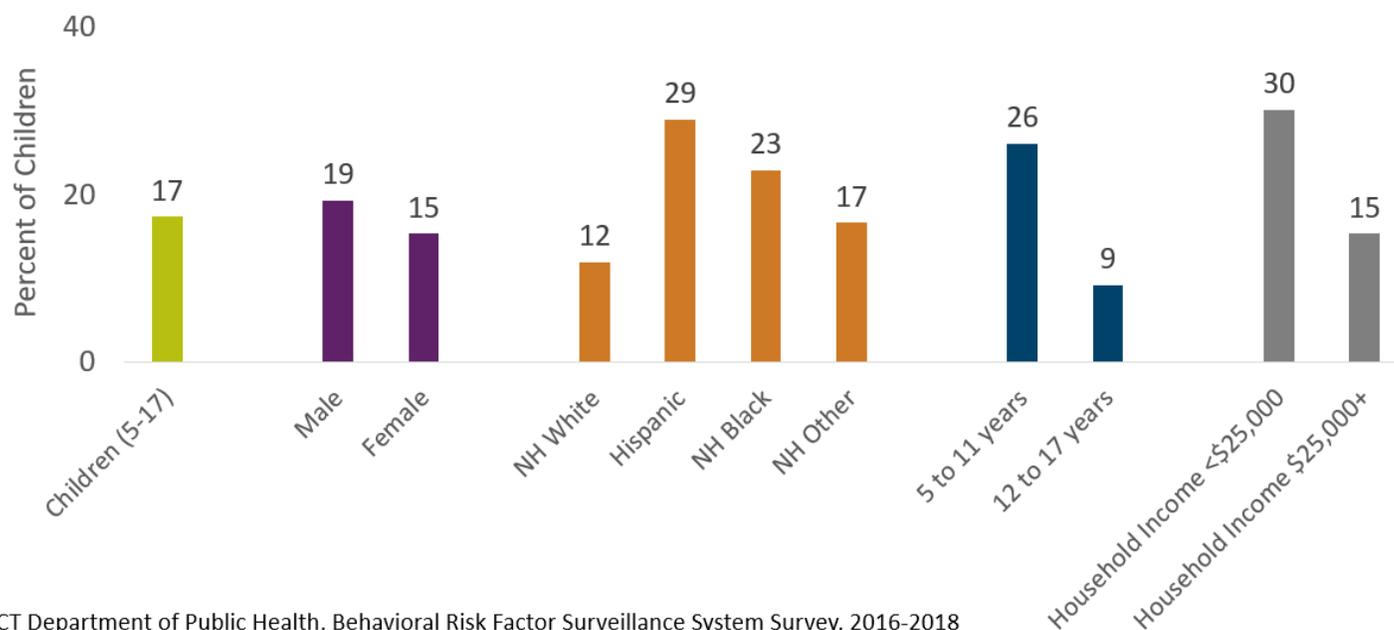


CT Department of Public Health, CT Youth Tobacco Survey, 2000-2017



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Percent of Children (5-17 Years Old) Who are Obese, Connecticut, 2016-2018



CT Department of Public Health, Behavioral Risk Factor Surveillance System Survey, 2016-2018



www.ct.gov/dph/SHIPCoalition | 56

Data Sources

Population and Socioeconomic Statistics

CT Department Public Health, Health Statistics and Surveillance Section, 2005-2017
US Census Bureau, ACS Estimates, 2017
US Census Bureau, American Community Survey 1-year estimates, 2007, 2012, 2017
US Census Bureau, American Community Survey 5-year estimates, 2013-2017
US Census Bureau, Population Estimates Program, Connecticut, 2000 and 2017

Maternal, Infant, and Child Health

CT Department of Public Health, Pregnancy Risk Assessment Monitoring System, 2016
Births Registry, Connecticut DPH Office of Vital Records and Surveillance Analysis and Reporting Unit, 2008-2016, provisional 2017
Births Registry, Connecticut Department of Public Health Office of Vital Records and Surveillance Analysis and Reporting Unit, 2008-2016, provisional 2017 and 2018
Births and Deaths Registries, Connecticut Department of Public Health Office of Vital Records and Surveillance Analysis and Reporting Unit, 2005-2016, provisional 2017
US Health Resources and Services Administration, National Survey of Children's Health, 2016-2017

Health Systems

CT Department of Public Health, Local Health Annual Survey, 2018
CT Department of Public Health, Behavioral Risk Factor Surveillance System Survey, 2018; www.ct.gov/dph/brfss
Connecticut Inpatient Hospitalization and Emergency Department Visit Dataset, 2013-2017
US Health Resources and Services Administration, National Survey of Children's Health, 2016

Drinking Water

CT Department of Public Health, Private Well Program, 2013-2018
Environmental Protection Agency (EPA), 2017-2019

Environmental Health

CT Department of Public Health, CT Environmental Public Health Tracking Portal (Healthy Homes Surveillance System), 2011-2017
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US Department of Labor, Bureau of Labor Statistics, 2011-2017
US Department of Labor, Bureau of Labor Statistics, 2013-2017

Climate and Health

Connecticut Inpatient Hospitalization and Emergency Department Visit Dataset, 2014-2018
Connecticut Physical Climate Science Assessment Report, Seth et al. (2019). <https://circa.uconn.edu/wp-content/uploads/sites/1618/2019/08/CTPCSAR-Aug2019.pdf>

Infectious Diseases

CT Department of Public Health, HIV Surveillance Registry for Cases Reported through December 2018 and State-level Bridged Race Estimates for Connecticut, 2010
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Centers for Disease Control and Prevention, National Immunization Survey (NIS), Teen, 2015 - 2018
CT Department of Public Health, CT Electronic Disease Surveillance System, 2013–2017
CT Department of Public Health, CT Electronic Disease Surveillance System, 2009-2018

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Office of Chief Medical Examiner, Connecticut, 2013-2018

Chronic Diseases and Risk Factors

CT Department of Public Health, Rolling 5-year Age-Adjusted Mortality Rates, 2008-2016, provisional 2017 and 2018
CT Department of Public Health, CT Tumor Registry, 2016. Methodology based on: [Islami et al. CA Cancer J Clin. 2018 Jan;68\(1\):31-54.](#)
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